

**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 <input type="checkbox"/> | 2A Doc Num: | Status Summary: <input type="checkbox"/> THIS IS A FOLLOW UP INSPECTION <input checked="" type="checkbox"/> FOLLOW UP INSPECTION REQUIRED <input type="checkbox"/> NO FOLLOW UP INSPECTION REQUIRED |
| Operator Information: OGCC Operator Number: <u>10084</u> Name of Operator: <u>PIONEER NATURAL RESOURCES USA INC</u> Address: <u>5205 N O'CONNOR BLVD STE 200</u> City: <u>IRVING</u> State: <u>TX</u> Zip: <u>75039</u> | | | | Findings: <u>9</u> Number of Comments <u>1</u> Number of Corrective Actions <input checked="" type="checkbox"/> 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".

Environmental**Spills/Releases:**Type of Spill: PRODUCED WATEREstimated Spill Volume: 500Comment: 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: 01/19/2018Reportable: YESGPS: Lat 37.150800Long -104.859450Proximity to Surface Water: 800

Depth to Ground Water:

Water Well Complaint:

Lat

Long

DWR Receipt Num: _____

Owner Name: _____

GPS : _____

Field Parameters:Sample Location: OtherComment: Wet Canyon and Purgatorie River**Sample** Sample Type: SURFACE WATERTime: 01/03/2017 08:40 (MM/dd/yyyy hh:mm) GPS: Lat 37.131893 Long -104.847150BTEX: 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 vov filled.**Sample** Sample Type: SURFACE WATERTime: 01/03/2017 09:00 (MM/dd/yyyy hh:mm) GPS: Lat 37.146454 Long -104.860342BTEX: 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 vov filled.**Sample** Sample Type: SURFACE WATERTime: 01/03/2017 08:25 (MM/dd/yyyy hh:mm) GPS: Lat 37.132340 Long -104.847190BTEX: YES TPH: YES Anion: NO Captions: NO General Chemistry: NODissolved Methane: NO Composition: NO Stable Isotopes: NO 8260: YES8270: 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 vov 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.</p> <p>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 |