

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

401508724

Date Received:

01/10/2018

Spill report taken by:

Kosola, Jason

Spill/Release Point ID:

453631

SPILL/RELEASE REPORT (SUPPLEMENTAL)

This form is to be submitted by the party responsible for the oil and gas spill or release. Refer to COGCC Rule 906.b. for reporting requirements of spills or releases of E&P Waste or produced fluids. Submit a Site Investigation and Remediation Workplan (Form 27) when requested by the Director.

OPERATOR INFORMATION

Name of Operator: PIONEER NATURAL RESOURCES USA INCOperator No: 10084Address: 5205 N O'CONNOR BLVD STE 200City: IRVINGState: TXZip: 75039Contact Person: James Roybal

Phone Numbers

Phone: (719) 846-7898Mobile: ()Email: james.roybal@pxd.com

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 401501578Initial Report Date: 01/03/2018Date of Discovery: 01/02/2018Spill Type: Recent Spill

Spill/Release Point Location:

Location of Spill/Release: QTRQTR SESW SEC 23 TWP 33S RNG 67W MERIDIAN 6Latitude: 37.150800 Longitude: -104.859450Municipality (if within municipal boundaries): _____ County: LAS ANIMAS

Reference Location:

Facility Type: TANK BATTERY☐ Facility/Location ID No _____☐ No Existing Facility or Location ID No.☒ Well API No. (Only if the reference facility is well) 05-071-07690

Fluid(s) Spilled/Released (please answer Yes/No):

Was one (1) barrel or more spilled outside of berms or secondary containment? Yes

*Secondary containment, **including walls & floor regardless of construction material**, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.*

Were Five (5) barrels or more spilled? Yes

Estimated Total Spill Volume: use same ranges as others for values

Estimated Oil Spill Volume(bbl): >=100Estimated Condensate Spill Volume(bbl): 0Estimated Flow Back Fluid Spill Volume(bbl): 0Estimated Produced Water Spill Volume(bbl): >=100Estimated Other E&P Waste Spill Volume(bbl): 0Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: _____

Land Use:

Current Land Use: NON-CROP LAND

Other(Specify): _____

Weather Condition: At Zero temps freezing conditionsSurface Owner: FEE

Other(Specify): _____

Check if impacted or threatened by spill/Release (please answer Yes/No to all that apply):

Waters of the State ☒ Residence/Occupied Structure ☐ Livestock ☐ Public Byway ☐ Surface Water Supply Area ☐

As defined in COGCC 100-Series Rules

Describe what is known about the spill/release event (what happened -- including how it was stopped, contained, and recovered):

We had a spill that found yesterday 1/2/2018 on the Weston Disposal 23-24 (API #05-071-07690) well site. It appears that the 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 where we believe it too have ended at this time. There was a small amount of oil found in the spill. Notifications have been made to the COGCC, CDPHE and the NRC. It is estimated at this time that 500bbls of produced water were spilled along with an estimated 120 gallons of oil with the water was also spilled. The spill was isolated and Boom placed in the water way in several places with, a clean-up crew is on site and clean-up efforts are in progress.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
1/2/2018	COGCC	Jason Kosola	-	Phone
1/2/2018	CDPHE	Ann Nedrow	-	Spill Hotline
1/5/2018	NRC	Kevin William	-	1-800-424-8802
1/2/2018	Land owner	Pioneer Nat Res	-	owner operator
1/2/2018	Land owner	Bernard Parson	-	phone
1/2/2018	Land owner	Mike Powell/Ranch Foreman	-	phone
1/2/2018	Land owner	Steve Robinson	-	phone

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 01/10/2018		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	2	2	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	500	0	<input type="checkbox"/>
DRILLING FLUID	0	0	<input type="checkbox"/>
FLOW BACK FLUID	0	0	<input type="checkbox"/>
OTHER E&P WASTE	0	0	<input type="checkbox"/>
specify: _____			
Was spill/release completely contained within berms or secondary containment? <u>NO</u> Was an Emergency Pit constructed? <u>YES</u>			
<i>Secondary containment, including walls & floor regardless of construction material, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.</i>			
A Form 15 Pit Report shall be submitted within 30 calendar days after the construction of an emergency pit			
Impacted Media (Check all that apply) <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Groundwater <input checked="" type="checkbox"/> Surface Water <input checked="" type="checkbox"/> Dry Drainage Feature			
Surface Area Impacted: Length of Impact (feet): <u>9546</u>		Width of Impact (feet): <u>6</u>	
Depth of Impact (feet BGS): <u>0</u>		Depth of Impact (inches BGS): _____	
How was extent determined?			
Visual inspection and GPS			
Soil/Geology Description:			
From the NRCS soil Survey map: Lorencito-Sarcillo-Trujillo complex			
Depth to Groundwater (feet BGS) <u>50</u>		Number Water Wells within 1/2 mile radius: <u>0</u>	

If less than 1 mile, distance in feet to nearest	Water Well	4360	None	<input type="checkbox"/>	Surface Water	170	None	<input type="checkbox"/>
	Wetlands	700	None	<input type="checkbox"/>	Springs	2958	None	<input type="checkbox"/>
	Livestock		None	<input checked="" type="checkbox"/>	Occupied Building	4300	None	<input type="checkbox"/>

Additional Spill Details Not Provided Above:

A cracked seal in the conduit allowed water to penetrate the conduit causing an electrical short. This created a blown fuse between the high level alarm sensor and PLC causing the disposal to go into "bypass" mode. "Bypass mode" allows the disposal to recirculate water rather than be injected and the incoming produced water rose overflowing tanks and emergency overflow pit. The source of the oil was traced back to a water truck driver who mistakenly offloaded oily water into the tanks.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 01/10/2018

Cause of Spill (Check all that apply) ☒ Human Error ☒ Equipment Failure ☐ Historical-Unknown
☐ Other (specify) _____

Describe Incident & Root Cause (include specific equipment and point of failure)

The Root cause was determined as Mechanical Failure due to inadequate design or installation. A cracked seal in the conduit allowed water to penetrate the conduit causing an electrical short. This created a blown fuse between the high level alarm sensor and PLC causing the disposal to go into "bypass" mode. "Bypass mode" allows the disposal to recirculate water rather than be injected and the incoming produced water rose overflowing the tanks and emergency overflow pit. The source of the oil was traced back to a water truck driver who mistakenly offloaded oily water into the tanks.

Describe measures taken to prevent the problem(s) from reoccurring:

There will be a secondary high level sensor and wire installed into the PLC in a configuration that would allow it to switch to a secondary circuit in the event of a failure on one or the other. Installation of a pit monitor for the emergency overflow pit. This will put in place another system which can alarm in the event of tank overflow to the emergency pit.

Volume of Soil Excavated (cubic yards): _____

Disposition of Excavated Soil (attach documentation) ☐ Offsite Disposal ☐ Onsite Treatment
☐ Other (specify) _____

Volume of Impacted Ground Water Removed (bbls): _____

Volume of Impacted Surface Water Removed (bbls): _____

REQUEST FOR CLOSURE

Spill/Release Reports should be closed when impacts have been remediated or when further investigation and corrective actions will take place under an approved Form 27.

Basis for Closure: ☐ Corrective Actions Completed (documentation attached)

☐ Work proceeding under an approved Form 27

Form 27 Remediation Project No: _____

OPERATOR COMMENTS:

At the agencies request Pioneer is preparing a Long term remediation plan that will consist of sampling, monitoring, and a remediation plan. This plan will be filed with the form 27 on or by corrective action date of 1/19/18. At this time Pioneer has had our third party contractor establish a compliance point at or near the suggested location and has collected two rounds of samples along with numerous other samples collected along the spill path in Wet Canyon. These samples will be shared with the agency as they become available to Pioneer Natural Resources. Pioneer also has an Environmental clean-up crew on site and will continue clean-up efforts and follow the Form 27 remediation plan that will be submitted.

Based on the approval of the Form 27 and remediation plan that will be submitted to the agency, Pioneer Natural Resources is requesting closure of this spill.

I hereby certify all statements made in this form are to the best of my knowledge true, correct, and complete.

Signed: _____ Print Name: James Roybal
Title: Environmental Supervisor Date: 01/10/2018 Email: james.roybal@pxd.com

COA Type**Description**

	<p>Operator shall submit an additional Form 19 with the following information by 1/31/2018.</p> <p>1) A timeline of events that shows when the spill occurred/or was discovered, when did UIC well stop injecting, how much fluid was in the tanks at that time, how much fluid it took to fill the secondary containment, how much fluid it took to fill the pit, and what the incoming flowrate is.</p> <p>2) Provide additional information as to how non-E&P Waste lube oil became involved in the spill and corrective actions taken to preventative future occurrences.</p>
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Attachment Check List**Att Doc Num****Name**

401508724	SPILL/RELEASE REPORT(SUPPLEMENTAL)
401519681	FORM 19 SUBMITTED

Total Attach: 2 Files

General Comments**User Group****Comment****Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)