

State of Colorado
Oil and Gas Conservation Commission

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Document Number:

402573546

Date Received:

01/13/2021

Spill report taken by:

Spencer, Stan

Spill/Release Point ID:

440118

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: <u>LARAMIE ENERGY LLC</u>	Operator No: <u>10433</u>	Phone Numbers
Address: <u>1401 17TH STREET SUITE #1400</u>		Phone: <u>(970) 263-3641</u>
City: <u>DENVER</u>	State: <u>CO</u>	Zip: <u>80202</u>
Contact Person: <u>Joan Proulx</u>		Mobile: <u>()</u>
		Email: <u>jproulx@laramie-energy.com</u>

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400738112

Initial Report Date: 11/21/2014 Date of Discovery: 11/19/2014 Spill Type: Recent Spill

Spill/Release Point Location:

QTRQTR NENW SEC 9 TWP 7S RNG 97W MERIDIAN 6

Latitude: 39.466615 Longitude: -108.225749

Municipality (if within municipal boundaries): _____ County: GARFIELD

Reference Location:

Facility Type: WELL PAD

☒ Facility/Location ID No 335018

Spill/Release Point Name: _____ ☐ Well API No. (Only if the reference facility is well) 05- -

☐ No Existing Facility or Location ID No.

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): 0

Estimated Condensate Spill Volume(bbl): 0

Estimated Flow Back Fluid Spill Volume(bbl): 0

Estimated Produced Water Spill Volume(bbl): >=5 and <100

Estimated Other E&P Waste Spill Volume(bbl): 0

Estimated Drilling Fluid Spill Volume(bbl): 0

Specify: _____

Land Use:

Current Land Use: OTHER

Other(Specify): Rangeland

Weather Condition: Clear, cold

Surface Owner: OTHER (SPECIFY)

Other(Specify): Oxy Private

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):

At approximately 7:00PM Wednesday, (November 19th, 2014) a produced/brine water release occurred when an Oxy contractor was priming frac trucks. One of the hoses was not connected to the pump manifold. When the hoses were opened from the missile to the pumps, approximately 30bbl of produced/brine water was spilled on the ground. Most of the liquid was immediately recovered, but approximately 5bbl was amongst the equipment and unrecoverable.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
11/20/2014	COGCC	Stan Spencer	970-625-2497	None
11/20/2014	Garfield County	Kirby Wynn	970-625-5905	None

Was there a Grade 1 Gas Leak? Yes ☐ No ☒

If YES, enter the Document Number of the Grade 1 Gas Leak Report Form 44: _____

Was there a reportable accident associated with either a Grade 1 Gas Leak or an E&P waste spill or release? Yes ☐ No ☒

If YES, enter the Document Number of the Initial Accident Report, Form 22: _____

Was there damage during excavation? Yes ☐ No ☒

If YES, was CO 811 notified prior to excavation? Yes ☐ No ☐

SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: 01/13/2021		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	30	25	<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? NO Was an Emergency Pit constructed? NO

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

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) ☒ Soil ☐ Groundwater ☐ Surface Water ☐ Dry Drainage Feature

Surface Area Impacted: Length of Impact (feet): 100 Width of Impact (feet): 45

Depth of Impact (feet BGS): _____ Depth of Impact (inches BGS): _____

How was extent determined?

Extent of the impacted area was determined by an Oxy employee on site.

Soil/Geology Description:

Happle very channery sandy loam.

Depth to Groundwater (feet BGS) 150 Number Water Wells within 1/2 mile radius: 0

If less than 1 mile, distance in feet to nearest Water Well _____ None ☒ Surface Water _____ None ☒
Wetlands _____ None ☒ Springs _____ None ☒
Livestock _____ None ☒ Occupied Building _____ None ☒

Additional Spill Details Not Provided Above:

CORRECTIVE ACTIONS

#1 Supplemental Report Date: 01/13/2021

Root Cause of Spill/Release Incorrect Operations (Human Error)

Other (specify) _____

Type of Equipment at Point of Spill/Release: Manifold Piping

If "Other" selected above, specify or describe here:

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

Frac crew failed to connect a hose to a pump manifold. When the pump was placed in operation, water spilled from this open connection.

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

Oxy met with management and HES representatives from the contractor company to address the issue. Frac crew was given additional training, stand-down meetings were held, and crews were encouraged to increase communication. Additional frac staff who have experience operating in freezing conditions were brought onsite. Management from Oxy and contractor maintained an increased presence at the frac site.

Volume of Soil Excavated (cubic yards): 0

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

☐ Other (specify) _____

Volume of Impacted Ground Water Removed (bbls): 0

Volume of Impacted Surface Water Removed (bbls): 0

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:

This spill occurred in Nov. 2014; no sampling reports could be located in the previous operator's files. Sampling occurred in Nov. 2020 with elevated results for Arsenic, SAR and EC. This area is subject to noxious weed spraying, which could result in elevated inorganic constituents. An FAQ 31 & 32 letter is attached.

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

Signed: _____ Print Name: Joan Proulx

Title: Regulatory Analyst Date: 01/13/2021 Email: jproulx@laramie-energy.com

COA Type**Description**

	<p>Submit an eForm 27 Site Investigation and Remediation Workplan for additional soil sampling in order to fully delineate the vertical and lateral extent of impacts to soil, per Rule 915.e.(2).B. The Operator shall analyze samples for the complete Table 910-1 list, unless a modified list of contaminants of concern is provided for COGCC approval per Rule 915.e.(2).C.</p> <p>If the Operator intends to request to leave soil with elevated inorganics (SAR and EC) in situ, the Operator's Form 27 may include a detailed Reclamation Plan as outlined in Rule 915.b.</p>
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Attachment List**Att Doc Num****Name**

402573546	SPILL/RELEASE REPORT(SUPPLEMENTAL)
402573576	ANALYTICAL RESULTS
402573578	ANALYTICAL RESULTS
402573580	SITE MAP
402573582	ANALYTICAL RESULTS
402573583	ANALYTICAL RESULTS
402573584	OTHER
402573585	SITE MAP
402573589	OTHER
402581133	FORM 19 SUBMITTED

Total Attach: 10 Files

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

Environmental	Investigation and cleanup of this Spill/Release was not documented with the COGCC as soon as practicable, as required by Rule 912.a. This Supplemental eForm 19 Spill/Release Report was requested by the COGCC via email on December 20, 2019 (doc #2573067) as an effort by COGCC to bring operators into compliance with COGCC Spill/Release cleanup and documentation requirements for historical spills/releases. COGCC Staff has discussed release reporting and documentation requirements with the operator to ensure that reporting requirements going forward are understood and followed.	01/22/2021
Environmental	<p>Operator's request for closure has been removed due to the fact that the COGCC cannot grant closure at this time for the following reasons:</p> <p>1) The Operator has not collected sufficient soil samples to determine the horizontal and vertical extent of impacts, per 915.e.(2).B.</p> <p>2) The attached analytical results document Table 910-1 exceedances for SAR and EC and the Operator's request for consideration of these exceedances under FAQ 32 (doc #402573589) is not approved.</p>	01/22/2021
Environmental	Based on the information provided for background arsenic samples (docs #402573582, #402573583, #402573585), the Operator's request (doc #402573589) for consideration of background arsenic concentrations in exceedance of Table 915-1 under Table 915-1 Footnote 1 is conditionally approved.	01/15/2021

Total: 3 comment(s)