

State of Colorado  
Oil and Gas Conservation Commission

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Document Number:

403075777

Date Received:

10/25/2022

Spill report taken by:

ALLISON, RICK

Spill/Release Point ID:

482132

**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 912.b. for reporting requirements of spills or releases of E&P Waste, produced Fluids, or unauthorized Releases of natural gas. Submit a Site Investigation and Remediation Workplan (Form 27) if Rule 913.c. applies.

**OPERATOR INFORMATION**

Name of Operator: <u>PROSPECT ENERGY LLC</u>	Operator No: <u>10312</u>	<b>Phone Numbers</b>
Address: <u>1036 COUNTRY CLUB ESTATES DR</u>		Phone: <u>(303) 489-8773</u>
City: <u>CASTLE ROCK</u> State: <u>CO</u> Zip: <u>80108</u>		Mobile: <u>( )</u>
Contact Person: <u>Ward Giltner</u>		Email: <u>prospectenergy@icloud.com</u>

Transfer of Operatorship: Pursuant to Rule 912.f, this Supplemental Form 19 is being submitted to designate the Buying Operator as the responsible Operator for this Spill and Release.

**INITIAL SPILL/RELEASE REPORT**

Initial Spill/Release Report Doc# 403042378

Initial Report Date: 05/09/2022 Date of Discovery: 05/09/2022 Spill Type: Recent Spill

**Spill/Release Point Location:**

QTRQTR NWNW SEC 30 TWP 8N RNG 68W MERIDIAN 6

Latitude: 40.637692 Longitude: -105.053397

Municipality (if within municipal boundaries): \_\_\_\_\_ County: LARIMER

Enter Lat./long measurement of the actual Spill/Release Point. Lat./Long. Data shall meet standards of Rule 216.

**Reference Location:**

Facility Type: TANK BATTERY  Facility/Location ID No 333083  
 Spill/Release Point Name: West produced water tank  Well API No. (Only if the reference facility is well) 05- -  
 No Existing Facility or Location ID No.

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

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

Specify: Approximately 200 bbls of produced water are contained in the steel berm. Approx 2 bbls of produced water were uncontained.

Has the subject Spill/Release been controlled at the time of reporting? Yes

**Land Use:**

Current Land Use: OTHER Other(Specify): Tank battery location  
 Weather Condition: Clear, 40 degrees calm wind  
 Surface Owner: FEE Other(Specify): \_\_\_\_\_

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

A Murphy switch leading to the west produced water tank malfunctioned due to a plugged water level control line. Produced water overflowed the produced water tanks and entered the produced water tank steel containment berm, from the west produced water tank thief hatch. Approximately two bbls of produced water sprayed out of the west tank thief hatch onto the surrounding yard and was uncontained. No fluids left the yard.  
 The produced water malfunction caused oil to enter the vapor line at the top of the produced water tanks. The oil in the vapor line flowed to the Tornado TEC-4-CS combustor, where it burned on contact, causing a visible flame and black smoke. No oil made contact with the ground. Nearby construction crews notified the fire department, (estimated 6:00 a.m.) The fire department was on location 6:15 am. Prospect Energy field superintendent was notified 6:50 a.m. The fire was put out by approximately 7:00 a.m. and the last fire truck left approximately 8:30 a.m.

**List of Agencies and Other Parties Notified Pursuant to Rule 912.b.(7)-(11):**

**OTHER NOTIFICATIONS**

<u>Date</u>	<u>Agency/Party</u>	<u>Contact</u>	<u>Phone</u>	<u>Response</u>
5/9/2022	City of Fort Collins	Cassie Archuleta	970-416-2048	
5/9/2022	Larimer County	Matt Lafferty	970-498-7721	Left voice mail message

**REPORT CRITERIA**

**Rule 912.b.(1) Report to the Director (select all criteria that apply):**

- No** Rule 912.b.(1).A: A Spill or Release of any size that impacts or threatens to impact any Waters of the State, Public Water System, residence or occupied structure, livestock, wildlife, or publicly-maintained road.  
 Waters of the State: n/a Public Water System: n/a  
 Residence or Occupied Structure: n/a Livestock: n/a  
 Wildlife: n/a Publicly-Maintained Road: n/a
- Yes** Rule 912.b.(1).B: A Spill or Release in which 1 barrel or more of E&P Waste or produced fluids is spilled or released outside of berms or other secondary containment.
- Yes** Rule 912.b.(1).C: A Spill or Release of 5 barrels or more of E&P Waste or produced Fluids regardless of whether the Spill or Release is completely contained within berms or other secondary containment.
- No** Rule 912.b.(1).D: Within 6 hours of discovery, a Grade 1 Gas Leak. For a Grade 1 Gas Leak from a Flowline, the Operator also must submit the Form 19 – Initial, document number on a Form 44, Flowline Report, for the Grade 1 Gas Leak  
 Enter the approximate time of discovery \_\_\_\_\_ (HH:MM)  
 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? \_\_\_\_\_  
 Enter the Document Number of the Initial Accident Report, Form 22 \_\_\_\_\_  
 Was there damage during excavation? \_\_\_\_\_  
 Was CO 811 notified prior to excavation? \_\_\_\_\_
- No** Rule 912.b.(1).E: The discovery of 10 cubic yards or more of impacted material resulting from a current or historic Spill or Release. Discovery and reporting will not be contingent upon confirmation samples demonstrating exceedance of Table 915-1 standards.  
 Estimated Volume of Impacted Solids (cu. yd.): \_\_\_\_\_
- No** Rule 912.b.(1).F: The discovery of impacted Waters of the State, including Groundwater. Discovery and reporting will not be contingent upon confirmation samples demonstrating exceedance of Table 915-1 standards. The presence of free product or hydrocarbon sheen on Groundwater or surface water is reportable. The presence of contaminated soil in contact with Groundwater or surface water is reportable. Check all that apply:  
 The presence of free product or hydrocarbon sheen Surface Water  
 The presence of free product or hydrocarbon sheen on Groundwater  
 The presence of contaminated soil in contact with Groundwater  
 The presence of contaminated soil in contact with Surface water

No	Rule 912.b.(1).G: A suspected or actual Spill or Release of any volume where the volume cannot be immediately determined, including a spill or release of any volume that daylight from the subsurface.
No	Rule 912.b.(1).H: Spill or Release resulting in vaporized hydrocarbon mists that leave the Oil and Gas Location or Off-Location Flowline right of way from an Oil and Gas Location and impacts or threatens to impact off-location property.  <input type="checkbox"/> Areas offsite of Oil & Gas Location <input type="checkbox"/> Off-Location Flowline right of way
No	Rule 912.b.(1).I: A Release of natural gas that results in an accumulation of soil gas or gas seeps.
No	Rule 912.b.(1).J: A Release that results in natural gas in Groundwater.

### SPILL/RELEASE DETAIL REPORTS

#1	Supplemental Report Date: <u>05/19/2022</u>		
<b>FLUIDS</b>	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	<u>0</u>	<u>0</u>	<input type="checkbox"/>
CONDENSATE	<u>0</u>	<u>0</u>	<input type="checkbox"/>
PRODUCED WATER	<u>132</u>	<u>132</u>	<input type="checkbox"/>
DRILLING FLUID	<u>0</u>	<u>0</u>	<input type="checkbox"/>
FLOW BACK FLUID	<u>0</u>	<u>0</u>	<input type="checkbox"/>
OTHER E&P WASTE	<u>0</u>	<u>0</u>	<input type="checkbox"/>
specify: _____			
Was spill/release completely contained within berms or secondary containment? <u>NO</u> Was an Emergency Pit constructed? <u>NO</u>			
<i>Secondary containment, including walls &amp; floor regardless of construction material, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.</i>			
<b>A Form 15 Pit Report shall be submitted within 30 calendar days after the construction of an emergency pit</b>			
Impacted Media (Check all that apply) <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water <input type="checkbox"/> Dry Drainage Feature			
Surface Area Impacted: Length of Impact (feet): <u>250</u>		Width of Impact (feet): <u>4</u>	
Depth of Impact (feet BGS): _____		Depth of Impact (inches BGS): _____	
How was extent determined?			
The extent was determined visually. The ground surface was visibly wet where produced water made contact. Soil samples have been collected from the spill path, at a depth just below the road base surface (4-5").			
Soil/Geology Description:			
0-4' road base consisting of a mixture of asphalt, gravel and soil; this is underlain by backfill described (from monitoring well logs) as silty, sandy clay with a trace of gravel to an unknown depth. This is underlain by silty clay.			
Depth to Groundwater (feet BGS) <u>21</u>		Number Water Wells within 1/2 mile radius: <u>2</u>	
If less than 1 mile, distance in feet to nearest	Water Well <u>390</u> None <input type="checkbox"/>	Surface Water <u>890</u> None <input type="checkbox"/>	
	Wetlands <u>350</u> None <input type="checkbox"/>	Springs _____ None <input checked="" type="checkbox"/>	
	Livestock _____ None <input checked="" type="checkbox"/>	Occupied Building <u>390</u> None <input type="checkbox"/>	
Additional Spill Details Not Provided Above:			
The volume of the spill has been changed. It was originally reported as 195 bbls. This has been changed to 132 bbls. A total of 130 bbls were disposed of as produced water per the manifest. Approximately 2 bbls were spilt onto the soil and removed via vacuum truck. Additional water used in the vacuum truck process was disposed as was less than 1 cubic yard of soil (estimated).			

### CORRECTIVE ACTIONS

#1 Supplemental Report Date: 05/19/2022

Root Cause of Spill/Release Equipment Failure

Other (specify)

Type of Equipment at Point of Spill/Release: Other

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

Level control line, level control switch and needle valve.

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

The level control line became plugged at the needle valve. Produced water backed up and exited the thief hatch of the west produced water tank.

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

The needle valve (3/8") was replaced with a valve with a larger orifice (3/4"). The level control line, switch, and needle valve were put on a weekly maintenance schedule to ensure plugging did not re-occur.

Volume of Soil Excavated (cubic yards): 0

Disposition of Excavated Soil (attach documentation) [X] 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, check all that apply) [X] Horizontal and Vertical extents of impacts have been delineated. [X] Documentation of compliance with Table 915-1 is attached. [X] All E&P Waste has been properly treated or disposed. [X] Work proceeding under an approved Form 27 (Rule 912.c). Form 27 Remediation Project No: 24524 [ ] SUSPECTED Spill/Release did not occur or was below Rule 912.a.(5) reporting thresholds.

OPERATOR COMMENTS:

Impacted soil was removed using a vacuum truck, which resulted in a slurry taken to offsite disposal. It is estimated that less than one cubic yard of soil was removed. The manifests show 24.71 bbls and 16.24 bbls of liquid.

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

Signed: Print Name: Mary C Griggs Title: Consultant Date: 10/25/2022 Email: griggs.mary@comcast.net

Table with 2 columns: COA Type, Description. Row 1: 0 COA

## Attachment List

<u>Att Doc Num</u>	<u>Name</u>
403075796	SOIL SAMPLE LOCATION MAP
403075798	ANALYTICAL RESULTS
403090867	DISPOSAL MANIFEST
403090911	DISPOSAL MANIFEST
403090913	DISPOSAL MANIFEST
403090992	MAP

Total Attach: 6 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Environmental	<p>Returned to Draft for the following:</p> <ol style="list-style-type: none"><li>1. Samples SS-2, SS-3, SS-4, and SS-5 do not include Table 915-1 PAHs. Operator must analyze all samples for PAHs.</li><li>2. Detection limits for metals exceeds Table 915-1 Standards. Operator must analyze soil samples for Table 915-1 metals with methodology that achieves reporting limits of Table 915-1.</li><li>3. Verify the laboratory is accredited pursuant to Rule 915.e. No documentation is provided on the laboratory reports and laboratory cannot be found on NELAC or A2LA.</li><li>4. Include quantity of material removed in Corrective Actions report</li><li>5. TPH and SAR exceed Table 915-1 in SS-1. Additional remediation is required to achieve Table 915-1 Cleanup Concentrations.</li><li>6. Include soil sample location map</li></ol> <p>Operator shall correct the deficiencies above and resubmit the Form 19 Supplemental Report. If remediation and documentation cannot be achieved within 90 days of the release (by 8/7/2022) Operator shall submit a Form 27 prior to 8/7/2022 with a detailed site investigation and remediation workplan with detailed schedule.</p>	06/30/2022

Total: 1 comment(s)