

State of Colorado  
Oil and Gas Conservation Commission

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Document Number:

402146026

Date Received:

11/14/2019

Spill report taken by:

CHESSON, BOB

Spill/Release Point ID:

465620

### 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>EWS 4 DJ BASIN LLC</u>	Operator No: <u>10649</u>	<b>Phone Numbers</b>
Address: <u>2015 CLUBHOUSE DR SUITE 201</u>		Phone: <u>(970) 515-6950</u>
City: <u>GREELEY</u> State: <u>CO</u> Zip: <u>80634</u>		Mobile: <u>(970) 381-5005</u>
Contact Person: <u>Jim Goddard</u>		Email: <u>igoddard@expedition-water.com</u>

### INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 402084752

Initial Report Date: 06/23/2019 Date of Discovery: 06/15/2019 Spill Type: Recent Spill

#### Spill/Release Point Location:

Location of Spill/Release: QTRQTR SWNW SEC 17 TWP 2N RNG 63W MERIDIAN 6

Latitude: 40.136475 Longitude: -104.464560

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

#### Reference Location:

Facility Type: OTHER  Facility/Location ID No 448946

Spill/Release Point Name: \_\_\_\_\_  No Existing Facility or Location ID No.

Number: \_\_\_\_\_  Well API No. (Only if the reference facility is well) 05- \_\_\_\_\_

#### 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): >=1 and <5 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): Industrial

Weather Condition: Lightning and stormy.

Surface Owner: OTHER (SPECIFY) Other(Specify): EWS is the owner.

#### 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):

6/21/2019 @ 21:03:07 Lightning struck one of the system tanks and caught fire the fire spread within the concrete containment area burning approximately 23 tanks. The fresh water used by the fire department to put the fire out had collected in the berm and eventually overflowed the berm into our swell surrounding our facility. The product then made its way to the retention pond where everything outside of the concrete berm was contained. Once the fire was out and supply water for the fire department was shut off the over flow halted. Recovery started several hours later once the fire department gave their ok. We first put a dirt berm at the entrance to our retention pond along with several others spots in the swell. A vac truck was used to vac the product up off the ground in the swell. The pond was skimmed for product and then we used several vac trucks to extract the water from inside the berm.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
6/21/2019	Fire Department	Tom Beach	970-539-0874	Fire trucks dispatched

Was there a Grade 1 Gas Leak associated with this E & P waste spill or release? Yes  No

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

Was there a reportable accident associated with this E & P waste spill or release? Yes  No

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

**SPILL/RELEASE DETAIL REPORTS**

#1	Supplemental Report Date:	08/15/2019		
<b>FLUIDS</b>	BBL's SPILLED	BBL's RECOVERED	Unknown	
OIL	_____	0	<input type="checkbox"/>	
CONDENSATE	_____	0	<input type="checkbox"/>	
PRODUCED WATER	7920	4800	<input type="checkbox"/>	
DRILLING FLUID	_____	0	<input type="checkbox"/>	
FLOW BACK FLUID	_____	0	<input type="checkbox"/>	
OTHER E&P WASTE	_____	0	<input type="checkbox"/>	
specify: 120,000 gallons of fire-fighting water used				
Was spill/release completely contained within berms or secondary containment?		NO	Was an Emergency Pit constructed? NO	
<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):		1800	Width of Impact (feet): 5	
Depth of Impact (feet BGS):		0	Depth of Impact (inches BGS): 0	
How was extent determined?				
Soil and groundwater sampling activities were conducted in accordance with COGCC Rule 910 to determine the nature and extent of any impacts and to confirm compliance with the concentrations listed in COGCC Table 910-1. On June 25, 2019, CGRS collected water quality samples from four groundwater monitoring wells (MW-1, MW-2, MW-3, and MW-4). On July 1, 2019, CGRS collected 43 discrete soil samples in the excavation area at depths between 0.5 and 2.0 feet below ground surface. In conjunction with soil sample collection, soil samples were screened using a PID. Sample with highest PID reading was submitted for analysis. Background soil conditions were established by collecting a sample from comparable, nearby non-impacted native soil (BG-1@0.5ft) at 6 inches below ground surface (BGS) and having the sample analyzed for pH, EC, and SAR. On July 18, 2019, CGRS collected 15 discrete soil samples at a depth of 0.5 feet below ground surface using a hand auger. In conjunction with soil sample collection, soil samples were screened using a PID. Fifteen confirmation soil samples were retained for analysis of BTEX, TPH, PAH, EC, pH, and SAR. Four of the samples were also analyzed for metals. One additional background soil sample was taken from comparable, nearby non-impacted native soil (SS-29@0.5ft) at 6 inches BGS to establish background conditions of metals. Please see the attached report for additional details.				

Soil/Geology Description:

Sand.

Depth to Groundwater (feet BGS) 34 Number Water Wells within 1/2 mile radius: 2  
If less than 1 mile, distance in feet to nearest Water Well 292 None  Surface Water          None   
Wetlands          None  Springs          None   
Livestock 3780 None  Occupied Building          None

Additional Spill Details Not Provided Above:  
120,000 gallons of fire-fighting water used.

### CORRECTIVE ACTIONS

#1 Supplemental Report Date: 08/15/2019

Cause of Spill (Check all that apply)  Human Error  Equipment Failure  Historical-Unknown  
 Other (specify) lightning/fire

Describe Incident & Root Cause (include specific equipment and point of failure)  
Lightning stuck vent on one of the system tanks.

Describe measures taken to prevent the problem(s) from reoccurring:  
Checking into why the lightning supression did not work.

Volume of Soil Excavated (cubic yards): 1037  
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:

It is expected that areas with SAR and pH in exceedance of Table 910-1 will undergo natural attenuation relatively quickly due to the location within the stormwater channel.  
11/14/19- Per John Axelson's request, groundwater samples were analyzed for PFAS using method 537 modified for the target analyte list provided by COGCC in addition to the routine analyses performed for the groundwater monitoring program. Samples were taken on October 16, 2019. Results have been proved as attachments.  
Please contact Drezden Kinnaird with any questions regarding the soil/groundwater sampling or the attached report. We respectfully request closure at this time.

