

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

402555439

Date Received:

12/16/2020

Spill report taken by:

FISCHER, ALEX

Spill/Release Point ID:

478815

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: COLORADO OIL & GAS CONSERVATION COMMISSION	Operator No: 5	Phone Numbers
Address: 1120 LINCOLN ST SUITE 801		Phone: (970) 846-5097
City: DENVER State: CO Zip: 80203		Mobile: ()
Contact Person: Kris Neidel		Email: Kris.Neidel@state.co.us

INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 402551427

Initial Report Date: 12/10/2020 Date of Discovery: 12/05/2020 Spill Type: Recent Spill

Spill/Release Point Location:

QTRQTR SESE SEC 28 TWP 9N RNG 81W MERIDIAN 6

Latitude: 40.717395 Longitude: -106.494593

Municipality (if within municipal boundaries): County: JACKSON

Reference Location:

Facility Type: WELL

☐ Facility/Location ID No

Spill/Release Point Name: ☒ Well API No. (Only if the reference facility is well) 05-057-06112

☐ 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? No

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): >=1 and <5

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

Estimated Drilling Fluid Spill Volume(bbl): 0

Specify:

Land Use:

Current Land Use: NON-CROP LAND

Other(Specify):

Weather Condition: Clear, 45 degrees

Surface 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):

During routine inspections of the shut-in facilities at the Lone Pine Field in Jackson County on December 8, 2020, COGCC staff Observed fluid (water) leaking from a polished rod liner at the Margaret Spaulding #15 well (057-06112). The polished rod liner had split allowing the release of the water which is under artesian conditions. As a result of the release, ice had built up at the wellhead. No water was observed leaving the location. No oil was observed in the ice or released water. Qualified oilfield service personnel mobilized to the site to assess and attempt to stop the release. A temporary patch was applied to the split in the rod. As required by Rule 906, COGCC notified the surface owner and local government of the release. The well was observed on 12/9/2020 and the release has slowed to a drip. On 12/9/2020 another contractor evaluated the well to determine a permanent fix.

List Agencies and Other Parties Notified:

OTHER NOTIFICATIONS

Date	Agency/Party	Contact	Phone	Response
12/8/2020	Jackson County LGD	Samantha Martin	970-723-4660	email
12/8/2020	Surface Owner Representative	Colton Miler	-	email

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: 12/16/2020		
FLUIDS	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE	0	0	<input type="checkbox"/>
PRODUCED WATER	5	3	<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): 15 Width of Impact (feet): 5

Depth of Impact (feet BGS): 2 Depth of Impact (inches BGS): _____

How was extent determined?

Visual, full extent will be determined with soil samples of impacted area.

Soil/Geology Description:

Sandy/Loam

Depth to Groundwater (feet BGS) 40 Number Water Wells within 1/2 mile radius: 0

If less than 1 mile, distance in feet to nearest	Water Well	None	<input checked="" type="checkbox"/>	Surface Water	680	None	<input type="checkbox"/>	
	Wetlands	1717	None	<input type="checkbox"/>	Springs	2707	None	<input type="checkbox"/>
	Livestock	500	None	<input type="checkbox"/>	Occupied Building		None	<input checked="" type="checkbox"/>

Additional Spill Details Not Provided Above:

The Spring identify is suspected and has not been confirmed, see attached documents for specific location. The occupied building on the Lone Pine ranch was not listed as it is just over a mile from the release location.

CORRECTIVE ACTIONS

#1 Supplemental Report Date: _____

Root Cause of Spill/Release Equipment Failure

Other (specify) _____

Type of Equipment at Point of Spill/Release: Pump Jack

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

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

A leak was found in the polish rod liner above the wellhead. The polish rod liner is a wear sleeve around the actual polish rod which is the uppermost piece of the rod string that connects the pumping unit on the surface to the pump at the bottom of the well. There is a seal at the wellhead that allows the polish rod to move up and down and contain the fluids in the well.

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

Last Saturday, December 12, 2020, the COGCC mobilized a crew to the field where a leak was found in the polish rod liner above the wellhead. They were able to remove the failed piece and replace it with a plug. The polish rod liner is a wear sleeve around the actual polish rod which is the uppermost piece of the rod string that connects the pumping unit on the surface to the pump at the bottom of the well. There is a seal at the wellhead that allows the polish rod to move up and down and contain the fluids in the well. The polish rod and liner on this well no longer go through the wellhead and the opening has been secured with a steel plug. No cattle were involved. The field was inspected and no other issues were identified. The COGCC will continue to monitor the field on a periodic basis. Ice that accumulated was gathered up and placed into Pit Facility ID: 112265.

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:

The Date of Discovery on the initial spill report (doc number 402551427) was reported as 12/5/2020. The actual "Date of Discovery" was 12/8/2020, this date is also reported on doc # 402551427 in the narrative.

On 12/12/20, COGCC staff, removed Ice that had built up on the pumping unit and outside of well enclosure. The ice was placed in Pit #1, facility 112265. There was a small amount of ice buildup on the wellhead, indicating that the repair from 12/8/20 was holding to a few drips a minute. On 12/12/20 Duco Well services was on location; a boom truck picked up the pump string, circulated brine water through the casing to tubing surface. Circulated water was collected in a water truck, no wellbore fluids were discharged to the ground as a part of these repairs. The brine in the wellbore will prevent future freezing of the well until the well can be PA. See attached photos.

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

Signed: _____ Print Name: Kris Neidel

Title: EPS staff Date: 12/16/2020 Email: kris.neidel@state.co.us

COA Type

Description

	Comply with CAs in Doc #402551427.
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Attachment List

Att Doc Num

Name

402555439	SPILL/RELEASE REPORT(SUPPLEMENTAL)
402555478	OTHER
402555479	OTHER
402555512	FORM 19 SUBMITTED

Total Attach: 4 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)