RECEIVED

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

MAY 11 2018
DISTRICT II-ARTESIA O.C.D.

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

Accepted as Initial only

nAB1813442138

OPERATOR

☒ Initial Report ~~☒ Final Report~~

Name of Company Devon Energy Production Company 6137	Contact Aaron Kidd, Technical Services Foreman
Address 6488 Seven Rivers Hwy Artesia, NM 88210	Telephone No. 575-748-3371
Facility Name North Pure Gold 8 Federal 11	Facility Type Salt Water Disposal

Surface Owner Federal	Mineral Owner Federal	API No. 30-015-32619

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
J	8	23S	31E					Eddy

Latitude 32.315536 N **Longitude** 103.796457 W NAD83

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 13.00 bbls	Volume Recovered 10 bbls
Source of Release Underground injection line	Date and Hour of Occurrence 4/29/2018 5:00 PM MST	Date and Hour of Discovery 4/29/2018 5:00 PM MST
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? NMOCD-Mike Bratcher BLM-Shelly Tucker	
By Whom? Mike Shoemaker, EHS Professional	Date and Hour 4/30/2018 4:04 PM MST	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
The underground injection line developed a leak. The line was isolated and a vacuum truck was dispatched to recover any standing fluids.

Describe Area Affected and Cleanup Action Taken.*
Approximately 13 bbls of produced water was released across the well pad. A small amount flow down the fill slope and off the edge of the location and contacted the edge of the pasture. Approximately 10 bbls of produced water was recovered. An environmental contractor will be contacted to assist with delineation and remediation efforts.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Tamala Robison	OIL CONSERVATION DIVISION	
Printed Name: Tamala Robison	Approved by Environmental Specialist: Signed By Shelly Tucker	
Title: Field Admin Support	Approval Date: 5/14/18	Expiration Date: N/A
E-mail Address: Tamala.Robison@dvn.com	Conditions of Approval: Accepted as Initial only	Attached ☒ 3RP-474
Date: 5/7/2018 Phone: 575-748-3371		

* Attach Additional Sheets If Necessary

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 5/11/2018 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 2RP-4741 has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

> *The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC.* [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 2 office in ARTESIA on or before 6/11/2018. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C_6 thru C_{36}), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C_6 thru C_{36}), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

- Nominal detection limits for field and laboratory analyses must be provided.

- Composite sampling is not generally allowed.

- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

•Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

• If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

• Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold
OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

Bratcher, Mike, EMNRD

From: Robison, Tamala <Tamala.Robison@dvn.com>
Sent: Friday, May 11, 2018 12:45 PM
To: Bratcher, Mike, EMNRD; Shelly Tucker (stucker@blm.gov)
Cc: Shoemaker, Mike
Subject: Emailing: GIS Map_North Pure Gold 8 Federal 11_13 bbls_4.29.2017, North Pure Gold 8 Fed 11_13 bbls PW_4.29.2018
Attachments: GIS Map_North Pure Gold 8 Federal 11_13 bbls_4.29.2017.pdf; North Pure Gold 8 Fed 11 _13 bbls PW_4.29.2018.doc

Good Afternoon,

Attached is the C141 and the GIS Image for the 13 bbl produced water release that occurred at the North Pure Gold 8 Federal 11 that occurred on 4.29.2018.

If you have any questions, feel free to contact me.

Gratefully,

Tamala Robison
Devon Energy
Field Admin Support - Operations Fie...

(575) 748-0181 Work
Tamala.Robison@dvn.com

P O Box 250
Artesia, NM 88211

Your message is ready to be sent with the following file or link attachments:

GIS Map_North Pure Gold 8 Federal 11_13 bbls_4.29.2017
North Pure Gold 8 Fed 11_13 bbls PW_4.29.2018

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

North Pure Gold 8 Federal 11

13 bbls Produced Water

devon

This map is for illustrative purposes only and is neither a legally recorded map nor survey and is not intended to be used as one. Devon makes no warranty, representation, or guarantee of any kind regarding this map.

WGS_1984_Web_Mercator_Auxiliary_Sphere
Prepared by: Tamala Robison
Map is current as of: 11-May-2018

N

Miles
0 0.00 0.00 0.01 1:445

Surface Hole (ACT-DVN/OBO)
- Other
- Deviated Surface
- Oil Producing Well
- Gas Producing Well
- Oil and Gas Producing Well
- Drilling or Completing
- Injection Well
- Salt Water Disposal Well
- Shut In

Surface Hole (PRP-DVN/OBO)
- Vertical
- Deviated

Bore Path (PRP-DVN/OBO)

Bratcher, Mike, EMNRD

From: Shoemaker, Mike <Mike.Shoemaker@dvn.com>
Sent: Monday, April 30, 2018 4:04 PM
To: Bratcher, Mike, EMNRD; Shelly Tucker (stucker@blm.gov)
Cc: Fulks, Brett
Subject: North Pure Gold 8 Fed 11 (API #30-015-32619)

Follow Up Flag: Follow up
Flag Status: Completed

Good Afternoon,

Devon identified the following release at approximately 5:00 PM MST on 04/29/18.

1. North Pure Gold 8 Fed 11 (API #30-015-32619)
    a. The underground injection line developed a leak. Approximately 13 bbls of produced water was released across the well pad. A small amount flow down the fill slope and off the edge of the location and contacted the edge of the pasture. Approximately 10 bbls of produced water was recovered.

A C-141 will be prepared and submitted with GPS coordinates of the area affected.

Thanks,

Mike Shoemaker
EHS Representative

Devon Energy Corporation
6488 Seven Rivers Highway
Artesia, New Mexico 88210
575-746-5566 Office
575-513-5035 Mobile