

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

NM OIL CONSERVATION
ARTESIA DISTRICT
State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NOV 03 2017

Form C-141
Revised August 8, 2011

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

RECEIVED

Release Notification and Corrective Action

NAB 731055411

OPERATOR <input checked="" type="checkbox"/> Initial Report <input type="checkbox"/> Final Report	
Name of Company Devon Energy Production Company <i>6/37</i>	Contact Matt Nettles, Production Foreman
Address 6488 Seven Rivers Hwy Artesia, NM 88210	Telephone No. 575-513-5767
Facility Name Todd 36G State 8 (Occurred near the Todd 36D State 2 location)	Facility Type Oil
Surface Owner Federal	Mineral Owner State
API No 30-015-29292	

LOCATION OF RELEASE

Unit Letter D	Section 36	Township 23S	Range 31E	Feet from the	North/South Line	Feet from the	East/West Line	County Eddy
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Latitude: 32.26703

Longitude: -103.73840

NATURE OF RELEASE

Type of Release Produced Water and Oil	Volume of Release 5.6bbls	Volume Recovered 0bbls
Source of Release Flow line	Date and Hour of Occurrence October 2, 2017 @ 3:30 PM	Date and Hour of Discovery October 2, 2017 @ 3:30 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher, OCD	
By Whom? Chris West, Asst. Production Foreman	Date and Hour October 2, 2017 @ 4:30 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.*

Flow line from the Todd 36G State 8 ruptured due to murphy kill having a broke wire. The well was shut in at the header to stop the release.

Describe Area Affected and Cleanup Action Taken.*

Approximately 5bbls produced water and .6bbls oil were released into pasture. The area is approximately 70'x30' in the pasture to the East of the battery. 0bbls recovered. An environmental contractor will be contacted to assist with the delineation and remediation.

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: *Sheila Fisher* Please refer to the New Mexico Oil
Conservation Division Website for
Printed Name: Sheila Fisher updated form(s) at:
[http://www.emnrd.state.nm.us/
OCD/ forms.html](http://www.emnrd.state.nm.us/OCD/forms.html)
Title: **Field Admin Support** Thank you

E-mail Address: **Sheila.fisher@dvn.com**

Date: 10/3/17

Phone: **575.748.1829**

OIL CONSERVATION DIVISION

Approved by Environmental Specialist: *Crystal Wu*

Approval Date: *11/16/17*

Expiration Date: *N/A*

Conditions of Approval:

see attached

Attached ☒

200-4471

* Attach Additional Sheets If Necessary

Operator/Responsible Party,

The OCD has received the form C-141 you provided on **11/3/17** regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 2BP-471 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 II office in Artesia on or before 12/3/17. 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; C₆ thru C₃₆), 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; C₆ thru C₃₆), 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

Weaver, Crystal, EMNRD

From: Fisher, Sheila <Sheila.Fisher@dvn.com>
Sent: Friday, November 3, 2017 1:27 PM
To: Weaver, Crystal, EMNRD; Bratcher, Mike, EMNRD; Amber Groves (agroves@slo.state.nm.us)
Cc: Shoemaker, Mike; Fulks, Brett; West, Christopher; Carter, Ray; Nettles, Matt
Subject: RE: [EXTERNAL] RE: Todd 36D State 2_5.6bbls pw & oil_10.2.17
Attachments: Todd 36G State 8_5.6bbls pw & oil_Initial C-141_10.2.17-Revised.doc; Todd 36G State 8_5.6bbls pw & oil_GIS Image_10.2.17.pdf

Good Afternoon,

Please see updated C-141 and GIS Image with revised title block per your comments.

Thank you,

Sheila Fisher
Field Admin Support
Production
B-Schedule

Devon Energy Corporation
PO Box 250
Artesia, NM 88211
575 748 1829 Direct



From: Weaver, Crystal, EMNRD [mailto:Crystal.Weaver@state.nm.us]
Sent: Friday, October 13, 2017 9:04 AM
To: Fisher, Sheila <Sheila.Fisher@dvn.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Amber Groves (agroves@slo.state.nm.us) <agroves@slo.state.nm.us>
Cc: Shoemaker, Mike <Mike.Shoemaker@dvn.com>; Fulks, Brett <Brett.Fulks@dvn.com>; West, Christopher <Christopher.West@dvn.com>; Carter, Ray <Ray.Carter@dvn.com>; Nettles, Matt <Matt.Nettles@dvn.com>
Subject: [EXTERNAL] RE: Todd 36D State 2_5.6bbls pw & oil_10.2.17

Also Shelia,

I forgot to mention. I have the locations for both wells as being on Federal surface and State minerals. So you, and anyone else, would need to include both Amber Groves from the State Land Office and Shelly Tucker from the Carlsbad BLM Office on all submissions unless they indicate otherwise.

Thank you,

Crystal Weaver

Environmental Specialist
OCD – Artesia District II
811 S. 1st Street
Artesia, NM 88210
Office: 575-748-1283 ext. 101
Cell: 575-840-5963
Fax: 575-748-9720

From: Weaver, Crystal, EMNRD

Sent: Friday, October 13, 2017 8:45 AM

To: 'Fisher, Sheila' <Sheila.Fisher@dvn.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Amber Groves <agroves@slo.state.nm.us> <agroves@slo.state.nm.us>

Cc: Shoemaker, Mike <Mike.Shoemaker@dvn.com>; Fulks, Brett <Brett.Fulks@dvn.com>; West, Christopher <Christopher.West@dvn.com>; Carter, Ray <Ray.Carter@dvn.com>; Nettles, Matt <Matt.Nettles@dvn.com>

Subject: RE: Todd 36D State 2_5.6bbls pw & oil_10.2.17

Shelia,

I have made some changes to your initial C-141 to give you an idea of what we need to see (please see the attachment). How you had sent it in makes things confusing. If the release occurred at the Todd 36D State 2 location then that is where your coordinates need to indicate, but if the well responsible for the leak is Todd 36G State 8 then you need to mostly fill out the C-141 to relate the incident to that well. Please make the suggested corrections and resend. If I am understanding the events of this spill incorrectly in any way please clarify.

Thank you,

Crystal Weaver

Environmental Specialist
OCD – Artesia District II
811 S. 1st Street
Artesia, NM 88210
Office: 575-748-1283 ext. 101
Cell: 575-840-5963
Fax: 575-748-9720

From: Fisher, Sheila [<mailto:Sheila.Fisher@dvn.com>]

Sent: Thursday, October 12, 2017 3:07 PM

To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; Amber Groves <agroves@slo.state.nm.us> <agroves@slo.state.nm.us>

Cc: Shoemaker, Mike <Mike.Shoemaker@dvn.com>; Fulks, Brett <Brett.Fulks@dvn.com>; West, Christopher <Christopher.West@dvn.com>; Carter, Ray <Ray.Carter@dvn.com>; Nettles, Matt <Matt.Nettles@dvn.com>

Subject: Todd 36D State 2_5.6bbls pw & oil_10.2.17

Good Afternoon,

Attached please find the Initial C-141 and GIS Image for the 5.6bbbls produced water and oil released at the Todd 36D State 2 on 10.2.17.

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

Thank you,

Sheila Fisher
Field Admin Support
Production
B-Schedule

Devon Energy Corporation
PO Box 250
Artesia, NM 88211
575 748 1829 Direct



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