

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 Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2223636403
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party WPX Energy Permian, LLC	OGRID 246289
Contact Name Jim Raley	Contact Telephone 575-689-7597
Contact email Jim.Raley@dvn.com	Incident # (assigned by OCD) nAPP2223636403
Contact mailing address 5315 Buena Vista Drive, Carlsbad, NM 88220	

Location of Release Source

Latitude 32.048996 Longitude -103.8808975
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: RDX 16 #004	Site Type Oil Well
Date Release Discovered 8/21/2022	API# (if applicable) 30-015-39750

Unit Letter	Section	Township	Range	County
A	16	26S	30E	Eddy

Surface Owner: State Federal Tribal Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 5	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 5	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Production flowline developed pinhole leaks in small stretch of above ground steel line. Impacting soils in immediate area. No fluids recovered.

$$bbl\ estimate = \frac{saturated\ soil\ volume\ (ft^3)}{4.21\ (bbl\ equivalent)} * estimated\ soil\ porosity(\%) + recovered\ fluids\ (bbl)$$

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Volume exceeded 25 bbls.
---	--

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
--

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Jim Raley Title: Environmental Professional

Signature:  Date: 8/27/2022

email: jim.raley@dvn.com Telephone: 575-689-7597

OCD Only

Received by: Jocelyn Harimon Date: 08/24/2022

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS
 Action 137545

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 137545
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	8/29/2022

Incident ID	nAPP2223636403
District RP	
Facility ID	
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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>50 - 100</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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Oil Conservation Division

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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Jim Raley Title: Environmental Professional

Signature:  Date: 5/20/2023

email: jim.raley@dvn.com Telephone: (575) 689-7597

OCD Only

Received by: Jocelyn Harimon Date: 05/24/2023

Incident ID	nAPP2223636403
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Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Jim Raley Title: Environmental Professional
 Signature:  Date: 5/20/2023
 email: jim.raley@dv.com Telephone: (575) 689-7597

OCD Only

Received by: Jocelyn Harimon Date: 05/24/2023

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____



REMEDIATION WORK PLAN

RDX 16 #004

Eddy County, New Mexico

Incident Number nAPP2223636403

Prepared for:

WPX Energy Permian, LLC.

Carlsbad • Midland • San Antonio • Lubbock • Hobbs • Lafayette



SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of WPX Energy Permian, LLC (WPX), presents the following Remediation Work Plan (RWP) detailing a scope of work to address soil impacts from an inadvertent release of crude oil and produced water at the RDX 16 #004 (Site). Based on the incident review and field observations at the Site, WPX proposes this RWP, which summarizes initial response efforts and details remediation objectives to investigate the release and develop a corrective action plan to rectify environmental impacts.

SITE LOCATION AND RELEASE BACKGROUND

The Site is located in Unit A, Section 16, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.045373°, -103.882236°) and is associated with oil and gas exploration and production operations on State Land (**Figure 1** in **Appendix A**).

On August 21, 2022, corrosion of a steel surface flowline resulted in approximately 5 barrels (bbls) of crude oil and 5 bbls of produced water to be released in two separate areas of the pasture. No fluids were able to be recovered. WPX reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification and Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on August 24, 2022, and was subsequently assigned Incident Number nAPP2223636403.

Due to the release location, a Right-of-Entry (ROE) Permit to access or disturb soil off-pad was required. WPX submitted the ROE in preparation for soil characterization and remediation activities. An executed permit was issued on March 29, 2023. As a result, an extension was requested and granted for May 20, 2023, to allow WPX to reevaluate site conditions and propose a work plan to investigate soil impacts. The approved extension request may be referenced in **Appendix B**.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

Etech characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) considering depth to groundwater and the proximity to:

- Any continuously flowing watercourse or any other significant watercourse;
- Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- An occupied permanent residence, school, hospital, institution or church;
- A spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Any freshwater well or spring;
- Incorporated municipal boundaries or a defined municipal fresh water well field covered under a municipal ordinance;
- A wetland;
- A subsurface mine;
- An unstable area (i.e. high karst potential); and
- A 100-year floodplain.

Depth to groundwater at the Site is estimated to be between 50 and 100 feet below ground surface (bgs) based on a soil boring (TW-1) that was drilled by Atkins Engineering Associates, Inc. (Atkins) for Devon Energy on July 28, 2022. The boring was filed under New Mexico Office of the State Engineer (NMOSE) C-04655. The soil boring is located approximately 1,340 feet north to northeast of the Site (**Figure 1** in **Appendix A**). Using a truck mounted drill rig equipped with hollow stem auger, the soil boring was advanced to a total depth of 55 feet bgs. No fluids were observed throughout the drilling process nor after a 72-hour observation period. Following the observation period, the boring was plugged and abandoned



per the appropriate NMOSE regulations. The boring log and plugging records are provided in **Appendix C**.

Based on the initial desktop review, the release extent(s) appear to lie within a third-order ephemeral stream, a forested/shrub riparian wetland area and a 100-year flood plain. It should be noted that a margin of error is possible based on imagery only; field verification can further confirm these specified classifications developed from image analysis. The Site is not considered to be in an unstable area and remaining potential receptors are not within the established buffers defined in NMAC 19.15.29.12. Receptor details from the site characterization are included in **Figure 1** in **Appendix A**.

Based on the results from the desktop review and estimated regional depth to groundwater at the Site, the following Closure Criteria was applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria
Chloride	Environmental Protection Agency (EPA) 300.0	600 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	100 mg/kg
Benzene	EPA 8021B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B	50 mg/kg

SITE ASSESSMENT

On November 21, 2022, a site assessment was conducted by a third-party environmental consultant to evaluate and verify the release event according to the reported incident details. In accordance with Form C-141, two Areas of Concern (AOCs) were identified along the steel surface flowline. AOC #1 was identified in the pasture adjacent to the WPX well pad RDX 16 #007. AOC #2 was identified on a pipeline Right-of-Way (ROW), approximately 280 feet west of WPX well pad RDX 16 #007. The AOCs were mapped with a handheld global positioning system (GPS) unit according to visual observations and depicted in **Figure 2** in **Appendix A**. Photographic documentation during the Site visit is included as **Appendix D**.

PROPOSED REMEDIATION WORK PLAN

Based on the Site assessment, the following conclusion regarding the release is presented:

- Delineation soil sampling activities are required to assess the presence or absence of impacts to soil within the identified AOCs, and if present, to define the vertical and horizontal extent(s) through subsurface investigation and laboratory analyses of Closure Criteria COCs.

Based on the conclusion drawn above, WPX proposes the following remedial corrective actions:

- WPX proposes to advance up to 8 delineation points within and around the AOCs via mechanical equipment (**Figure 2**, **Figure 2A** and **Figure 2B** in **Appendix A**). Soil samples will be collected from each delineation location at a maximum frequency of 5-foot intervals and field screened for volatile organic compounds utilizing a photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Soil observations and field screening results for each delineation soil sample will be recorded on soil sampling logs. Soil sample locations will be mapped using a handheld GPS unit.
- A minimum of two soil samples will be collected from each delineation point location, representing the highest field screened concentration(s) and the greatest depth, and submitted to an accredited lab for analysis of BTEX, TPH and Chloride.



- Delineation locations proposed in areas off pad will likely require third-party operator oversight and additional safety measures near their respective subsurface pipelines before or during delineation activities. WPX and/or the third-party operator may implement additional safety precautions above encroachment guidelines at their company's discretion for the health and safety of on-site personnel and for the structural integrity of utilities. Such restrictions include but are not limited to:
 - i. Shifting a proposed sampling location(s) within the AOC to adhere to established buffer zone(s) around one or more utilities.
 - ii. Inducing a lateral delineation sampling location(s) to be significantly further from the Site.
- Upon receipt and review of delineation soil laboratory results, WPX will determine the appropriate measure of corrective actions that will include:
 - i. Documenting the absence of impacted soil at the Site with a subsequent Closure Report detailing assessment and sampling activities or
 - ii. Preparing a RWP Addendum detailing the next course of remedial actions to address the presence of soil impacts at the Site, based off an estimated lateral and vertical extent of impacted soil from assessment and delineation activities.

WPX believes this RWP will meet requirements set forth in NMAC 19.15.29.13 and be protective of human health, the environment and groundwater. As such, WPX respectfully requests approval of this RWP from NMOCD.

If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (281) 702-2329 or joseph@etechnv.com or Anna Byers at (575) 200-6754 or anna@etechnv.com.

Sincerely,

eTECH Environmental and Safety Solutions, Inc.

Anna Byers
Senior Geologist

Joseph S. Hernandez
Senior Managing Geologist

cc: Jim Raley, WPX
New Mexico Oil Conservation Division
State Land Office



Appendices:

- Appendix A:** Figure 1: Site Map
Figure 2: Proposed Delineation Locations
Figure 2A: Area of Concern #1 – Proposed Delineation Locations
Figure 2B: Area of Concern #2 – Proposed Delineation Locations
- Appendix B:** NMOCD Correspondence
- Appendix C:** Referenced Well Records
- Appendix D:** Photographic Log

APPENDIX A

Figures



FIGURE 2

Proposed Delineation Locations

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit A Sec 16 T29S 30E
Eddy County, New Mexico





Legend

- Proposed Delineation Locations
- Area of Concern #1

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Distribution Airbus DS

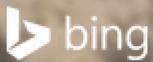


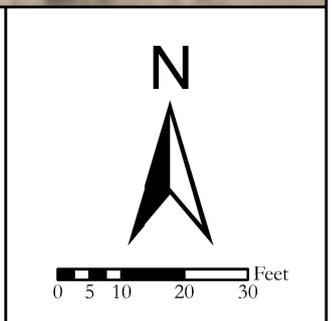
FIGURE 2A
Proposed Delineation Locations

WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit A Sec 16 T29S 30E
Eddy County, New Mexico

A north arrow pointing upwards, labeled with 'N'. Below it is a scale bar with markings at 0, 5, 10, 20, and 30 feet.



FIGURE 2B
Proposed Delineation Locations
WPX ENERGY PERMIAN, LLC
RDX 16 #004
Unit A Sec 16 T29S 30E
Eddy County, New Mexico



APPENDIX B

NMOCD Correspondence

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213



Anna Byers

From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Wednesday, May 17, 2023 2:33 PM
To: Anna Byers
Subject: FW: [EXTERNAL] (Final Extension) - Devon - RDX 16-4 Extension - NAPP2223636403

Jim Raley | Environmental Professional - Permian Basin
[5315 Buena Vista Dr., Carlsbad, NM 88220](#)
C: (575)689-7597 | jim.rale@dvn.com



From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Date: Thursday, February 9, 2023 at 7:24 AM
To: Raley, Jim <Jim.Raley@dvn.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>, Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>, Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>, Devon-Team <Devon-Team@ensolum.com>
Subject: [EXTERNAL] (Final Extension) - Devon - RDX 16-4 Extension - NAPP2223636403

RE: Incident #NAPP2223636403

Jim,

Your request for an extension to **May 20th, 2023** is approved. This will be the **final extension** for this release. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Wednesday, February 8, 2023 7:49 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Devon-Team <Devon-Team@ensolum.com>
Subject: Re: [EXTERNAL] RDX 16-4 Extension - NAPP2223636403

Robert,
WPX Energy Permian, LLC (WPX) is requesting an extension to the current deadline for a closure report required in 19.15.29.12.B.(1) NMAC at the RDX 16 #004.

An oil and produced water release was discovered on August 21, 2022 and assigned Incident Number **nAPP2223636403**. WPX was granted one 90 day extension for Feb. 19th, 2023 due to a delay in receiving Right of Entry Permit from the State Land Office.

We have been able to excavate and nearly complete the project. However, we have had a few areas of the excavation that proved difficult and will require us to remove additional soils to meet closure requirements. We will not be able to meet the current deadline of February 19th, 2023. We do not anticipate any further delays.

To provide enough time for additional remediation activities and a closure report, WPX requests an extension of the deadline to **May 20, 2023**.

Jim Raley | Environmental Professional - Permian Basin
5315 Buena Vista Dr., Carlsbad, NM 88220
C: (575)689-7597 | jim.raleys@dvn.com



From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Date: Friday, October 28, 2022 at 2:20 PM
To: Raley, Jim <Jim.Raley@dvn.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>, Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>, Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Subject: RE: [EXTERNAL] RDX 16-4 Extension - NAPP2223636403

Actually, lets make that February 19th, 2023.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Hamlet, Robert, EMNRD
Sent: Friday, October 28, 2022 2:17 PM
To: Raley, Jim <Jim.Raley@dvn.com>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrn.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrn.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrn.nm.gov>
Subject: RE: [EXTERNAL] RDX 16-4 Extension - NAPP2223636403

RE: Incident #**NAPP2223636403**

Jim,

Your request for an extension to **February 19th, 2022** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrn.state.nm.us/OCD/>



From: Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrn.nm.gov>
Sent: Friday, October 28, 2022 1:34 PM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrn.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrn.nm.gov>
Subject: FW: [EXTERNAL] RDX 16-4 Extension - NAPP2223636403

Jocelyn Harimon • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@state.nm.us
[http:// www.emnrn.nm.gov](http://www.emnrn.nm.gov)



From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Friday, October 28, 2022 12:10 PM
To: Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Cc: Joseph Hernandez <jhernandez@ensolum.com>
Subject: [EXTERNAL] RDX 16-4 Extension - NAPP2223636403

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Jocelyn,
WPX Energy-Devon respectfully asks for a 90 day extension for this incident.

We had to go through the process of getting a ROW permit from the State Land Office and it took longer than expected. A remediation permit is now in place (RE-6316) and we are beginning remediation on this incident. The process of cleanup and closure we expect to exceed our current deadline of 11/19/2022.

RDX 16#004
30-015-39750
NAPP2223636403

Jim Raley | Environmental Professional - Permian Basin
5315 Buena Vista Dr., Carlsbad, NM 88220
C: (575)689-7597 | jim.rale@dvn.com



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APPENDIX C

Referenced Well Records



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

OSE DTI AUG 8 2022 PM 10:17

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). C-4655			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	LATITUDE	DEGREES 32	MINUTES 2	SECONDS 58.26	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE	103	52	48.37	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW NE NE Sec.16 T26S R30E, NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249	NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.			
	DRILLING STARTED 7/28/2022	DRILLING ENDED 7/28/2022	DEPTH OF COMPLETED WELL (FT) Temporary Well	BORE HOLE DEPTH (FT) ±55	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 7/28/22, 8/2/22		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF FITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	55	±6.5	Boring-HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)			
FILE NO. <u>C-4655</u>	POD NO. <u>1</u>	TRN NO. <u>729332</u>			
LOCATION <u>26S-30E-16-1-2-2</u>	WELL TAG ID NO. <u> </u>	PAGE 1 OF 2			

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	4	4	Sand, Fine-grained, poorly graded, Brown	Y ✓ N	
	4	48	44	Sand, Fine-grained, poorly graded, with caliche Tan and white	Y ✓ N	
	48	55	7	Sand, Fine-grained, poorly graded, Tan Brown	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:	Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface.
		DSE DTI AUG 8 2022 AM 10:17
		PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 Jackie D. Atkins	8/4/2022
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME	DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO. C-4655	POD NO. 1	TRN NO. 779332	
LOCATION 265.30E.16.1.2.2.	WELL TAG ID NO. ---	PAGE 2 OF 2	



2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

August 4, 2022

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4655 Pod1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4655 Pod1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

A handwritten signature in black ink that reads "Lucas Middleton". The signature is written in a cursive, flowing style.

Lucas Middleton

Enclosures: as noted above

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PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-4655

Well owner: Devon Energy Phone No.: 575-748-1838

Mailing address: 6488 7 Rivers Hwy

City: Artesia State: New Mexico Zip code: 88210

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)
- 2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/23
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Shane Eldridge, Cameron Pruitt
- 4) Date well plugging began: 8/2/2022 Date well plugging concluded: 8/2/2022
- 5) GPS Well Location: Latitude: 32 deg, 2 min, 58.26 sec
Longitude: 103 deg, 52 min, 48.37 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl),
by the following manner: water level probe
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 7/8/2022
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

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- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
0-10'	Hydrated Bentonite	Approx. 15 gallons	15 gallons	Augers	
10'-55'	Drill Cuttings	Approx. 71 gallons	71 gallons	Boring	

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MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

I, Jackie D. Atkins, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jack Atkins

8/4/2022

Signature of Well Driller

Date

31_C-4655_WR-20 Well Record and Log-forsign

Final Audit Report

2022-08-04

Created:	2022-08-04
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAA_5o4o-wmvWNvta5TAYYJLKwG9RHq1i5

"31_C-4655_WR-20 Well Record and Log-forsign" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)
2022-08-04 - 9:48:16 PM GMT- IP address: 64.17.71.25
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2022-08-04 - 9:48:44 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2022-08-04 - 9:48:57 PM GMT- IP address: 64.90.153.232
-  Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2022-08-04 - 9:49:29 PM GMT - Time Source: server- IP address: 64.90.153.232
-  Agreement completed.
2022-08-04 - 9:49:29 PM GMT

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APPENDIX D

Photographic Log



PHOTOGRAPHIC LOG

WPX Energy Permian, LLC

RDX 16 #004

Incident Number nAPP2223636403



Photograph 1 **Date: 11/21/2022**
Description: Northwestern view of Area of Concern #1

Photograph 2 **Date: 11/21/2022**
Description: Southeastern view of Area of Concern #1



Photograph 3 **Date: 11/21/2022**
Description: Southern view of Area of Concern #2

Photograph 4 **Date: 11/21/2022**
Description: Southeastern view of Area of Concern #2

Incident ID	nAPP2223636403
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Jim Raley Title: Environmental Professional
 Signature:  Date: 5/20/2023
 email: jim.raley@dvn.com Telephone: (575) 689-7597

OCD Only

Received by: Jocelyn Harimon Date: 05/24/2023

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature:  Date: 10/17/2023

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 219739

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 219739
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/proven depth to water determination. Sidewall/Edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Please make sure that the edge of the release extent is accurately defined. Please collect confirmation samples, representing no more than 200 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. All contaminated soil around utilities/pipelines must be fully delineated and remediated to Table 1 of the OCD Spill Rule. The work will need to occur in 90 days after the report has been reviewed.	10/17/2023