

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	nAPP2230032326
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) nAPP2230032326
Contact mailing address 5315 Buena Vista Drive, Carlsbad, NM 88220	

### Location of Release Source

Latitude 32.005892 Longitude -103.944861  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Brushy Gathering Facility	Site Type: Produced Water Gathering Facility
Date Release Discovered 10/19/2022	API# (if applicable) fAB1805133323

Unit Letter	Section	Township	Range	County
M	25	26S	29E	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) 13	Volume Recovered (bbls) 10
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	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: Pump went down from loss of power, allowing tank to overflow.


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

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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?          
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 <u>not</u> 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: <u>Jim Raley</u> Title: <u>Environmental Professional</u>	
Signature: <u></u> Date: <u>10/27/2022</u>	
email: <u>jim.raley@dvn.com</u> Telephone: <u>575-689-7597</u>	
<b><u>OCD Only</u></b>  Received by: _____ Date: _____	

Incident ID	nAPP2230032326
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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>51-100</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 type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" 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.

## Oil Conservation Division

Incident ID	nAPP2230032326
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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: 11/28/2022

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

**OCD Only**

Received by: Jocelyn Harimon Date: 11/28/2022

Incident ID	nAPP2230032326
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: 11/28/2022  
email: jim.raley@dvn.com Telephone: 575-689-7597

**OCD Only**

Received by: Jocelyn Harimon Date: 11/28/2022

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Energy Minerals and Natural Resources  
Oil Conservation Division  
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Santa Fe, NM 87505

## NM OIL CONSERVATION

ARTESIA DISTRICT

JAN 16 2015

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

RECEIVED

Form C-141  
Revised August 8, 2011

## Release Notification and Corrective Action

NAB1501655607

## OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	RKI E&P, LLC	Contact	Zack Laird
Address	210 Park Ave. - Ste. 900, OKC, OK 73102	Telephone No.	405-742-2696
Facility Name:	Brushy Creek Gathering Station	Facility Type :	Tank Battery

Surface Owner	Federal	Mineral Owner	NA	API No.	30-015-24451
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## LOCATION OF RELEASE

(UCBH WW Fed. #3)

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	25	26S	29E		660 FSL		1980FWL	Eddy

Latitude: 32.007240348386 Longitude: -103.940095327473

## NATURE OF RELEASE

Type of Release. Produced Water/Oil	Volume of Release: 10oil/40water Bbls	Volume Recovered: 8oil/35water Bbls
Source of Release Tanks overran due to pump salt-off	Date and Hour of Occurrence 01/07/15 - prior to 0800hrs MT	Date and Hour of Discovery 01/07/15 - 0800hrs MT
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour N/A	
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.\*

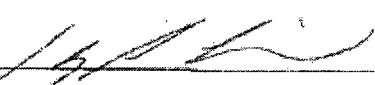
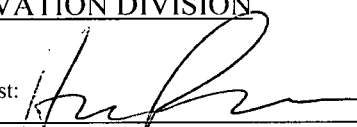
The transfer pump, which moves fluids from gathering battery to SWD well, salted off and tanks ran over. All fluids contained in secondary containment berm.

Wells producing to gathering battery were shut-in, vac trucks recovered free fluid and pump repairs were made. Plan to install high-level alarms/shutdowns on battery.

## Describe Area Affected and Cleanup Action Taken.\*

All fluid remained in secondary containment berm, 43/50Bbls spilled were recovered.

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: 		OIL CONSERVATION DIVISION	
Printed Name: Zack Laird		Approved by Environmental Specialist: 	
Title: Sr. EHS Manager		Approval Date: 1/16/15	Expiration Date: NA
E-mail Address: ZLaird@rkixp.com		Conditions of Approval:	
Date: 01/15/15 Phone: 405-987-2213		Remediation per O.C.D. Rules & Guidelines	
		SUBMIT REMEDIATION PROPOSAL NO	

Attached ☐

\* Attach Additional Sheets If Necessary

LATER THAN: 2/16/15

2RP-2742

District I  
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Revised August 24, 2018  
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Incident ID	nAB1501655607
District RP	2RP-2742
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.ralej@dv.com	Incident # (assigned by OCD) nAB1501655607
Contact mailing address: 5315 Buena Vista Dr, Carlsbad, NM, 88220	

### Location of Release Source

Latitude 32.005892 Longitude -103.944861  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Brushy Creek Gathering Station	Site Type: Tank Battery
Date Release Discovered 01/07/15	API# (if applicable) 30-015-24451

Unit Letter	Section	Township	Range	County
M	25	26S	29E	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) 10	Volume Recovered (bbls) 8
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 40	Volume Recovered (bbls) 35
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A
<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:

A transfer pump, which moves fluids from the gathering battery to the saltwater disposal (SWD) well, salted off, causing tanks to overflow and release approximately 10 barrels (bbls) of crude oil and 40 bbls of produced water. All fluids remained within the secondary containment berm. WPX immediately shut in producing wells to begin repairs and 8 bbls of crude oil and 35 bbls of produced water (43 bbls total) were recovered using a vacuum truck.


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

Incident ID	nAB1501655607
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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?  The volume release was greater than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? No.  Notice was given by Zack Laird (RKI) to NMOCD - Heather Patterson via email on 1/16/2015.	

## 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 <u>not</u> 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: <u>Jim Raley</u>	Title: <u>Environmental Professional</u>
Signature: <u></u>	Date: <u>11/28/2022</u>
email: <u>jim.raley@dvn.com</u>	Telephone: <u>575-689-7597</u>
<b><u>OCD Only</u></b>  Received by: _____ Date: _____	



Incident ID	nAB1501655607
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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>51-100</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 type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" 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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Printed Name: Jim Raley Title: Environmental Professional

Signature:  Date: 11/28/2022

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

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	NAB1501655607
District RP	2RP-2742
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: 11/28/2022  
email: jim.raley@dm.com Telephone: 575-689-7597

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Form C-141  
Revised August 8, 2011

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

### Release Notification and Corrective Action

**nAB 1504054780** **OPERATOR** ☒ Initial Report ☐ Final Report

Name of Company	RKIE&P, LLC	Contact	Taylor Jones
Address	210 Park Ave. - Ste. 900, OKC, OK 73102	Telephone No.	405-996-5782
Facility Name:	Brushy Creek Gathering Station	Facility Type :	Tank Battery
Surface Owner	Federal	Mineral Owner	NA
		API No.	30-015-24451

### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	25	26S	29E		660 FSL		1980FWL	Eddy

Latitude: 32.007240348386 Longitude: -103.940095327473

### NATURE OF RELEASE

Type of Release: Produced Water/Oil	Volume of Release: 10il/10water Bbls	Volume Recovered: 00il/10water Bbls
Source of Release Tanks overran	Date and Hour of Occurrence 01/22/15 - prior to 0800hrs MT	Date and Hour of Discovery 01/22/15 - 0800hrs MT
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour N/A	
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

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

Describe Cause of Problem and Remedial Action Taken.\*

FEB 05 2015

More water was put into system and trucking company failed to haul sufficient loads away.

RECEIVED

Shut in wells and let station pump down. Had vac truck within 1 hour to suck up water out of containment.

Describe Area Affected and Cleanup Action Taken.\*

All fluid remained in secondary containment berm, 10/11Bbls spilled were recovered.

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: <i>Taylor Jones</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Taylor Jones	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: EHS Systems Specialist	Approval Date: 2/9/15	Expiration Date:
E-mail Address: TJones@rkixp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 02/05/15 Phone: 405-996-5782	<b>Remediation per O.C.D. Rules &amp; Guidelines</b> <b>SUBMIT REMEDIATION PROPOSAL NO</b> <b>LATER THAN: 3/9/15</b>	

\* Attach Additional Sheets If Necessary

2RP-2796

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	nAB1504054780
District RP	2RP-2796
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.ralej@dvn.com	Incident # (assigned by OCD) nAB1504054780
Contact mailing address: 5315 Buena Vista Dr, Carlsbad, NM, 88220	

### Location of Release Source

Latitude 32.005892 Longitude -103.944861  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Brushy Creek Gathering Station	Site Type: Tank Battery
Date Release Discovered 01/22/15	API# (if applicable) 30-015-24451

Unit Letter	Section	Township	Range	County
M	25	26S	29E	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) 1	Volume Recovered (bbls) None
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 10	Volume Recovered (bbls) 10
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A
<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:

Water was transferred into the system at a rate that exceeded the volume hauled off by the trucking company, causing a release of approximately 1 bbl of crude oil and 10 bbls of produced water. All released fluids remained within the secondary containment berm. WPX immediately shut in producing wells and 10 bbls of free fluid were recovered using a vacuum truck.

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

## Initial Response

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

Released to Imaging: 2/21/2023 11:40:05 AM

Incident ID	nAB1504054780
District RP	2RP-2796
Facility ID	
Application ID	

## 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>51-100</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 type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" 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.

State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	nAB1504054780
District RP	2RP-2796
Facility ID	
Application ID	

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: 11/28/2022

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

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_



Incident ID	nAB1504054780
District RP	2RP-2796
Facility ID	
Application ID	

## Remediation Plan

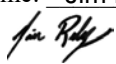
**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☒ 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: 11/28/2022  
email: jim.raley@dvn.com Telephone: 575-689-7597

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

District I  
1625 N. French Dr., Hobbs, NM 88240  
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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

Form C-141  
Revised August 8, 2011

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

### Release Notification and Corrective Action

**NAB1522341042** **OPERATOR** ☒ Initial Report ☐ Final Report

Name of Company	RKI E&P, LLC <b>240289</b>	Contact	Zack Laird
Address	210 Park Ave. - Ste. 900, OKC, OK 73102	Telephone No.	405-987-2213
Facility Name:	Brushy Creek Gathering Station	Facility Type:	Tank Battery

Surface Owner	Federal	Mineral Owner	NA	API No.	30-015-24451
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### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	25	26S	29E		660 FSL		660FWL	Eddy

Latitude: 32.0070152 Longitude: -103.9444

### NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 200 Bbls	Volume Recovered: 185 Bbls
Source of Release: Tanks overran	Date and Hour of Occurrence 08/10/15 - prior to 0800hrs MT	Date and Hour of Discovery 08/10/15 - 0800hrs MT
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Heather Patterson and Shelly Tucker (BLM)	
By Whom? Zack Laird	Date and Hour 08/10/15 - 12p CT	
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.\*

Water pump tripped and tanks ran over. Alarm was not sent due to faulty modem.

Pump reset and vac trucks dispatched to recover free fluids.

Describe Area Affected and Cleanup Action Taken.\*

All fluid remained in secondary containment, 185/200Bbls recovered

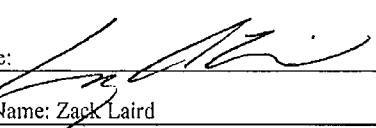
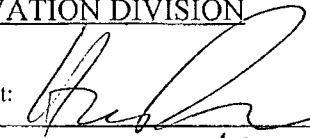
**NM OIL CONSERVATION**

ARTESIA DISTRICT

**AUG 10 2015**

**RECEIVED**

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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Zack Laird	Approved by Environmental Specialist: 	
Title: Sr. EHS Manager	Approval Date: <b>8/10/15</b>	Expiration Date: <b>N/A</b>
E-mail Address: Zlaird@rkixp.com	Conditions of Approval:	
Date: 08/10/15 Phone: 405-987-2213	Attached <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary

**Remediation per O.C.D. Rules & Guidelines**

**SUBMIT REMEDIATION PROPOSAL NO**

**LATER THAN:**

**9/11/16**

**2 RP-3195**

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	nAB1522341642
District RP	2RP-3195
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.ralej@dvn.com	Incident # (assigned by OCD) nAB1522341642
Contact mailing address: 5315 Buena Vista Dr, Carlsbad, NM, 88220	

### Location of Release Source

Latitude 32.005892 Longitude -103.944861  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Brushy Creek Gathering Station	Site Type: Tank Battery
Date Release Discovered 08/10/15	API# (if applicable) 30-015-24451

Unit Letter	Section	Township	Range	County
M	25	26S	29E	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 type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 200	Volume Recovered (bbls) 185
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A
<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:

A faulty modem, the high-level alarm was not activated causing a water pump malfunction which caused tanks to overflow, releasing approximately 200 bbls of produced water on to the surface of the well pad. All released fluids remained within the secondary containment earthen berm. WPX immediately shut in producing wells to begin repairs and 185 bbls of produced water were recovered using a vacuum truck.


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

Incident ID	nAB1522341642
District RP	2RP-3195
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?  The volume release was greater than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?  Immediate notice was by Zack Laird (RKI) to NMOCD - Heather Patterson , BLM - Shelly Tucker via email on 8/10/2015.	

## 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 <u>not</u> 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: <u>Jim Raley</u>	Title: <u>Environmental Professional</u>
Signature: <u></u>	Date: <u>11/28/2022</u>
email: <u>jim.raley@dvn.com</u>	Telephone: <u>575-689-7597</u>
<b><u>OCD Only</u></b>  Received by: _____ Date: _____	

Incident ID	nAB1522341642
District RP	2RP-3195
Facility ID	
Application ID	

## 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>51-100</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 type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" 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.

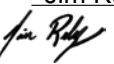
State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	nAB1522341642
District RP	2RP-3195
Facility ID	
Application ID	

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Printed Name: Jim Raley Title: Environmental Professional

Signature:  Date: 11/28/2022

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

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nAB1522341642
District RP	2RP-3195
Facility ID	
Application ID	

## Remediation Plan

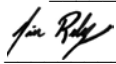
**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☒ 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.

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Printed Name: Jim Raley Title: Environmental Professional  
Signature:  Date: 11/28/2022  
email: jim.raley@dvn.com Telephone: 575-689-7597

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



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

ARTESIA DISTRICT

Form C-141  
Revised August 8, 2011

JUL 28 2016

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

RECEIVED

## Release Notification and Corrective Action

NAB1621453181

## OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	WPX Energy Inc/RKI	Contact	Karolina Blaney
Address	5315 Buena Vista Dr.	Telephone No.	970 589 0743
Facility Name: Brushy Draw Booster Station/Fed UCBHWW 1		Facility Type: Tank Farm	
Surface Owner: Federal	Mineral Owner: Federal	API No. 30-015-24034	

## LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	25	26S	29E	660	FSL	660	FWL	Eddy

Latitude: 32.005742 N Longitude: -103.944433 W

## NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 380 Bbls	Volume Recovered: 340 Bbls
Source of Release Pipeline valve located in a valve can	Date and Hour of Occurrence 7/13/2016	Date and Hour of Discovery 7/13/2016 - 2345 hrs MT
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? NMOCD Heather Patterson & Michael Bratcher, BLM Shelly Tucker	
By Whom? Karolina Blaney	Date and Hour: 7/14/16- 1645 hrs MT	
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.\*

The cause of the spill is equipment failure; a poly line running from the tank farm to an injection well ruptured. The compromised section of the line is located outside the SPCC containment but there was enough pressure in the line to spray it into the containment. The vast majority of spilled water was contained inside the dirt containment berm, approximately 5 bbls of produced water was sprayed outside the containment on the access road.

## Describe Area Affected and Cleanup Action Taken.\*

The impacted area of the access road was scraped and impacted dirt was hauled off to a disposal facility. The access road will be sampled for BTEX and TPH in accordance with NM OCD Guidelines for Remediation of Leaks, Spills, and Releases. The impacted area will also be sampled for chlorides as required by BLM. Further remediation will be based on these results. The total ranking score for this site is 0 and the site will be remediated to levels specified in 0-9 column of the Guidelines document. This spill did impact any undisturbed land/pastures.

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: <i>Karolina Blaney</i>	OIL CONSERVATION DIVISION	
Printed Name: Karolina Blaney	Signed By: <i>Mike Bratcher</i> Approved by Environmental Specialist	
Title: Environmental Specialist	Approval Date: 7/28/16	Expiration Date: N/A
E-mail Address: Karolina.blaney@wpxenergy.com	Conditions of Approval: Remediation per O.C.D. Rules & Guidelines Attached <input type="checkbox"/>	
Date: 7/28/2016 Phone: 970-589-0743	SUBMIT REMEDIATION PROPOSAL NO. <i>472116</i>	

\* Attach Additional Sheets If Necessary

LATER THAN: *7/28/16*

2RP-3811



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	nAB1621453181
District RP	2RP-3811
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.ralej@dv.com	Incident # (assigned by OCD) nAB1621453181
Contact mailing address: 5315 Buena Vista Dr, Carlsbad, NM, 88220	

### Location of Release Source

Latitude 32.005892 Longitude -103.944861  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Brushy Draw Booster Station/Fed UCBHWW 1	Site Type: Tank Farm
Date Release Discovered 07/13/16	API# (if applicable) 30-015-24034

Unit Letter	Section	Township	Range	County
M	25	26S	29E	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 type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 380	Volume Recovered (bbls) 340
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A
<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:

The cause of the spill is equipment failure; a poly line running from the tank farm to an injection well ruptured. The compromised section of the line is located outside the SPCC containment but there was enough pressure in the line to spray it into the containment. The vast majority of spilled water was contained inside the dirt containment berm, approximately 5 bbls of produced water was sprayed outside the containment on the access road.


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

Incident ID	nAB1621453181
District RP	2RP-3811
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Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?  The volume release was greater than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? On <b>07/14/2016</b> immediate notice was by Karolina Blaney (WPX) to NMOCD - Heather Patterson & Michael Bratcher, BLM - Shelly Tucker via email.	

## 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 <u>not</u> 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: <u>Jim Raley</u>	Title: <u>Environmental Professional</u>
Signature: <u></u>	Date: <u>11/28/2022</u>
email: <u>jim.raley@dvn.com</u>	Telephone: <u>575-689-7597</u>
<b><u>OCD Only</u></b>  Received by: _____ Date: _____	

Incident ID	nAB1621453181
District RP	2RP-3811
Facility ID	
Application ID	

## 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>51-100</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 type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" 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.

Incident ID	nAB1621453181
District RP	2RP-3811
Facility ID	
Application ID	

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: 11/28/2022

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

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nAB1621453181
District RP	2RP-3811
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: 11/28/2022  
email: jim.raley@dm.com Telephone: 575-689-7597

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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

## NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-141

Revised August 8, 2011

NOV 29 2016

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

RECEIVED

## Release Notification and Corrective Action

## OPERATOR

☒ Initial Report ☐ Final Report

Name of Company WPX Energy Inc/RKI 246289 Contact Karolina Blaney  
Address 5315 Buena Vista Dr. Telephone No. 970 589 0743  
Facility Name: Brushy Draw Booster Station/Fed UCBHWW 1 Facility Type: Tank Farm

Surface Owner: Federal Mineral Owner: Federal API No. 30- 015-24034

## LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	25	26S	29E	660	FSL	660	FWL	Eddy

Latitude: 32.005742 N Longitude: -103.944433 W

## NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 120 Bbls	Volume Recovered: 200 Bbls
Source of Release Produced water tank	Date and Hour of Occurrence 11/13/2016	Date and Hour of Discovery 11/13/2016 - 1420 hrs MT
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD Heather Patterson & Michael Bratcher, BLM Shelly Tucker	
By Whom? Karolina Blaney	Date and Hour: 11/14/16- 1302 hrs MT	
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.\*

The cause of this spill is equipment failure; a cross arm on an electric post failed which cut off power supply to the water transfer pump. Additionally, the ESD float got stuck, didn't trigger the high water alarm notification and didn't shut in the system.

## Describe Area Affected and Cleanup Action Taken.\*

The spill was contained inside dirt SPCC containment berm. 200 bbls of produced water and stormwater were recovered from the secondary containment (estimated at least 80 bbls of stormwater). The impacted area was sampled for chlorides, BTEX and TPH in accordance with NM OCD Guidelines for Remediation of Leaks, Spills, and Releases. WPX will submit a workplan to OCD and BLM for the remediation of this spill.

The total ranking score for this site is 0 and the site will be remediated to levels specified in 0-9 column of the Guidelines document.

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.

OIL CONSERVATION DIVISION	
Signature: Karolina Blaney	Approved by Environmental Specialist: [Signature]
Printed Name: Karolina Blaney	Approval Date: 11/30/16 Expiration Date: N/A
Title: Environmental Specialist	Conditions of Approval:
E-mail Address: Karolina.blaney@wpxenergy.com	Attached <input checked="" type="checkbox"/>
Date: 11/28/2016 Phone: 970-589-0743	

\* Attach Additional Sheets If Necessary

2RP-4011

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	nAB1633639499
District RP	2RP-4011
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.ralej@dv.com	Incident # (assigned by OCD) nAB1633639499
Contact mailing address: 5315 Buena Vista Dr, Carlsbad, NM, 88220	

### Location of Release Source

Latitude 32.005892 Longitude -103.944861  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Brushy Draw Booster Station/Fed UCBHWW 1	Site Type: Tank Farm
Date Release Discovered 11/13/2016	API# (if applicable) 30-015-24451

Unit Letter	Section	Township	Range	County
M	25	26S	29E	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 type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 120	Volume Recovered (bbls) 200
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No N/A
<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:

The cause of this spill is equipment failure; a cross arm on an electric post failed which cut off power supply to the water transfer pump. Additionally, the ESD float got stuck, didn't trigger the high water alarm notification and didn't shut in the system.


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

Incident ID	nAB1633639499
District RP	2RP-4011
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?  The volume release was greater than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Immediate notice was by Karolina Blaney (WPX) to NMOCD - Heather Patterson & Michael Bratcher, BLM - Shelly Tucker via email on 11/14/2016.	

## 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 <u>not</u> 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: <u>Jim Raley</u>	Title: <u>Environmental Professional</u>
Signature: <u></u>	Date: <u>11/28/2022</u>
email: <u>jim.raley@dvn.com</u>	Telephone: <u>575-689-7597</u>
<b><u>OCD Only</u></b>  Received by: _____ Date: _____	



Incident ID	nAB1633639499
District RP	2RP-4011
Facility ID	
Application ID	

## 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>51-100</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 type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" 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.


State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	nAB1633639499
District RP	2RP-4011
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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: 11/28/2022

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

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nAB1633639499
District RP	2RP-4011
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: 11/28/2022  
email: jim.raley@dvn.com Telephone: 575-689-7597

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



## REMEDIATION WORK PLAN

Site Location:

**Brushy Gathering Facility  
Eddy County, New Mexico**

**Incident Numbers:**

**nAB1504655607**

**nAB1504054780**

**nAB1522341642**

**nAB1621453181**

**nAB1633639499**

**nAPP2230032326**

November 18, 2022

Ensolum Project No. 03A1987009

Prepared for:

**WPX Energy Permian, LLC  
5315 Buena Vista Dr.  
Carlsbad, NM 88220  
Attention: Jim Raley**

Prepared by:

Joseph S. Hernandez  
Senior Geologist

Ashley L. Ager, M.S., P.G.  
Principal

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## APPENDICES

- Appendix A:** Figure 1 – Site Map  
Figure 2 – Proposed Boring Locations
- Appendix B:** NMOCD Release Location Correspondence
- Appendix C:** Groundwater Measurement Form

## 1.0 INTRODUCTION

Ensolum, LLC (Ensolum) has prepared this Remediation Work Plan (RWP) to address impacts from six historical crude oil and produced water releases associated with the Brushy Gathering Facility (Site) located in Unit M, Section 25, Township 26 South, Range 29 East, in Eddy County, New Mexico (**Figure 1** in **Appendix A**), owned and operated by WPX Energy Permian, LLC (WPX). Based on historical file review and field observations at the Site, WPX respectfully submits this RWP, which summarizes initial response efforts that have occurred and proposes soil assessment and sampling activities to characterize reportable releases of crude oil and/or produced water at the Site.

### 1.1 Site Description and Release Background

The Site is located within Eddy County, New Mexico (32.005788° N, 103.944837° W) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM) (**Figure 1** in **Appendix A**).

#### nAB1501655607

On January 7, 2015, a transfer pump, which moves fluids from the gathering battery to the saltwater disposal (SWD) well, salted off, causing tanks to overflow and release approximately 10 barrels (bbls) of crude oil and 40 bbls of produced water. All fluids remained within the secondary containment berm. WPX immediately shut in producing wells to begin repairs and 8 bbls of crude oil and 35 bbls of produced water (43 bbls total) were recovered using a vacuum truck. WPX reported the release to the New Mexico Oil Conservation Division (NMOCD) via email and with a subsequent Corrective Action Form C-141 (Form C-141) on January 16, 2015. The release was assigned Incident Number nAB1501655607.

#### nAB1504054780

On January 22, 2015, water was transferred into the system at a rate that exceeded the volume hauled off by the trucking company, causing a release of approximately 1 bbl of crude oil and 10 bbls of produced water. All released fluids remained within the secondary containment berm. WPX immediately shut in producing wells and 10 bbls of free fluid were recovered using a vacuum truck. WPX reported the release to the NMOCD via email and with a subsequent Form C-141 on February 5, 2015. The release was assigned Incident Number nAB1504054780.

#### nAB1522341642

On August 10, 2015, a water pump malfunction occurred due to a faulty modem and caused tanks to overflow, releasing approximately 200 bbls of produced water onto the surface of the well pad. All released fluids remained within the secondary containment earthen berm. WPX immediately shut in producing wells to begin repairs and 185 bbls of produced water were recovered using a vacuum truck. WPX reported the release to the NMOCD via email and with subsequent Form C-141 on August 10, 2015. The release was assigned Incident Number nAB1522341642.

#### nAB1621453181

On July 13, 2016, a surface poly line from the tank battery to the injection well ruptured, causing approximately 380 bbls of produced water to release onto the surface of the well pad. Although the rupture was outside containment, the majority of the released fluids sprayed into the secondary containment berm and around the tanks. Approximately 5 bbls sprayed onto the well

pad outside containment and onto the nearby access road. WPX shut in the injection well to repair the flowline and recovered approximately 340 bbls of produced water from inside the secondary containment berm. Immediately following the release, a response crew performed surface scraping activities and removed potentially impacted soil on the well pad and access road. WPX reported the release to the NMOCD via email and with a subsequent Form C-141 on July 28, 2016. The release was assigned Incident Number nAB1621453181.

#### nAB1633639499

On November 13, 2016, equipment failure cut off the power supply to the water transfer pump and the high-level alarm malfunctioned, causing a release of approximately 120 bbls of produced water. All released fluids remained within the secondary containment berm. WPX immediately shut in the producing wells to begin repairs and approximately 200 bbls of released fluids combined with accumulated stormwater were recovered. WPX reported the release to the NMOCD via email on November 14, 2016 and submitted a Form C-141 on November 28, 2016. The release was assigned Incident Number nAB1633639499.

Based on incident details, and previously collected data files and/or communication by NMOCD and WPX, an updated Form C-141 (current revision August 24, 2018) with updated release location information is provided in this RWP for Incident Numbers nAB1501655607, nAB1504054780, nAB1522341642, nAB1621453181 and nAB1633639499. NMOCD correspondence is located in **Appendix B**.

#### nAPP2230032326

On October 19, 2022, the pump went down from loss of power and caused a tank to overflow and release approximately 13 bbls of crude oil. All released fluids remained within the secondary containment berm. WPX reported the release to the NMOCD via email and submitted a Form C-141 on October 27, 2022. The release was assigned Incident Number nAPP2230032326.

## **1.2 Site Characterization and Closure Criteria**

The Site has been characterized to determine applicability of Table 1, Closure Criteria for Soils Impacted by a Release, from Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141s, Site Assessment/Characterization. Potential site receptors are identified on **Figure 1** in **Appendix A**.

Depth to groundwater at the Site is between 51 and 100 feet below ground surface (bgs) based on a recent measurement of depth to groundwater in a nearby water well at the JC Williams Yard, approximately 0.57 miles northwest of the Site. The water well does not appear to have an identification number corresponding to the New Mexico Office of the State Engineer (NMOSE) or United States Geological Survey (USGS) well records. However, Ensolum obtained property access and visibly observed the water well, then measured depth to water on August 15, 2022. Ensolum measured depth to groundwater in the JC William Yard Well as 82.9 feet bgs. The location of the JC Williams well is provided in **Figure 1** in **Appendix A**. The Groundwater Measurement Form summarizing findings is provided as **Appendix C**.

Based on the initial desktop review, the closest continuously flowing or significant watercourse to the Site appears to be an intermittent dry wash, located approximately 166 feet southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is

greater than 1,000 feet from a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is underlain by unstable geology (high potential karst designation area).

Based on the results of the Site Characterization, specifically the proximity to a potential significant watercourse and high potential karst designation, the following NMOC Table 1 Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total Petroleum Hydrocarbon (TPH): 100 mg/kg
- Chloride: 600 mg/kg

## 2.0 REMEDIATION WORK PLAN

The primary objective of this RWP is to assess the presence or absence of impacts to soil, and if present, to delineate the horizontal and vertical impact extent from the six releases through soil borings and laboratory analysis. The assessment scope of work for this Site is described below and is based on previously mapped release extent(s) or via visual observation by WPX or third-party contractor on the release date or subsequently. **Figure 2** in **Appendix A** depicts the Area of Concern (AOC).

Ensolum proposes using a direct push technology (DPT) drilling rig or a hollow-stem auger drill rig to advance up to four boreholes inside the AOC and a minimum of eight boreholes surrounding the AOC (total of up to 11 boreholes) as shown on **Figure 2** in **Appendix A**. Proposed borehole locations are subject to change based on site conditions or modifications to the Site configuration. Ensolum personnel will collect soil samples from the boreholes at 1-foot intervals and screen for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride utilizing Hach® chloride QuanTab® test strips. Field screening results and observations for each delineation soil sample will be recorded on lithologic/soil sampling logs.

A total of two soil samples will be collected from each delineation soil sample for laboratory analysis: the sample with the highest observed field screening and the terminus of the borehole. The soil samples will be placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples will be transported at or below 4 degrees Celsius (°C), under strict chain-of-custody procedures, to Eurofins LLC (Eurofins) in Carlsbad, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH following EPA Method 8015M/D; and chloride following EPA Method 300.0.

There are areas off pad that will likely require third-party operator oversight and additional safety measures near their respective subsurface pipelines before or during delineation activities. WPX or the third-party operator may implement additional safety precautions above encroachment guidelines. These restrictions may be implemented as health and safety precautions at the judgment and responsibility of a WPX or third-party operator safety representative. Restrictions may induce proposed lateral boring locations to be significantly further from the Site.

Locations of the boreholes and other pertinent information, such as utility lines and equipment, will be documented by logging those locations with a global positioning system (GPS) hand-held unit. All on-site activities will be photographically documented.



## 2.1 Site Assessment Evaluation

Following delineation activities, WPX will assess field screening and laboratory analytical results of soil to determine:

- The presence or absence of impacted soil;
- If impacted soil is present, the magnitude and horizontal and vertical extents of impacts; and
- Location of impacts as they relate to existing active oil and gas production equipment and pipelines.

Site assessment results will be reported to the NMOCD in a Closure Request if there is an absence of impacted soil at the Site. A Remediation Work Plan Addendum or Deferral Request will be prepared if impacts are present at the Site. Using field observations and laboratory data from investigation activities, an estimated horizontal and vertical extent (and subsequent volume) of impacted soil at the Site will be calculated and a determination of areas where excavation may or may not be practicable will be completed. Impracticable areas to excavate would include underneath the tank battery, near or around active lines and production equipment, or any area where soil excavation would result in an unstable foundation for equipment.

## 3.0 PROPOSED SCHEDULE

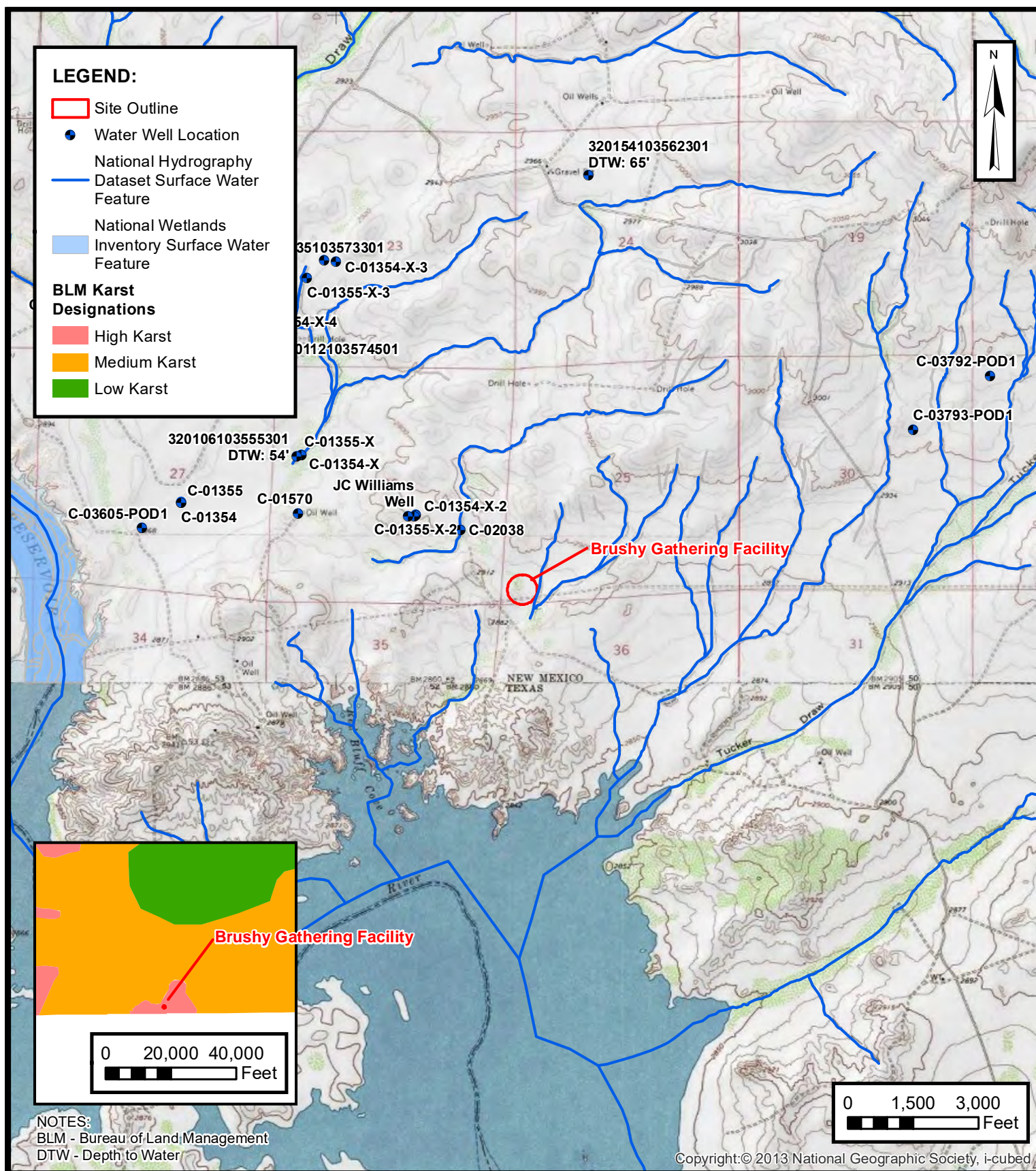
WPX believes the scope of work described above will meet requirements set forth in NMAC 19.15.29.13 and be protective of human health, the environment, and groundwater. As such, WPX respectfully requests approval of this RWP from NMOCD. If approved, WPX anticipates beginning the Site investigation activities within 180 days of NMOCD's approval. Based on findings from site assessment activities, WPX will provide a follow-up report to the NMOCD in the form of a Closure Request, Remediation Work Plan Addendum, or Deferral Request within 90 days after receipt of the laboratory analytical report(s).



## APPENDIX A

### Figures

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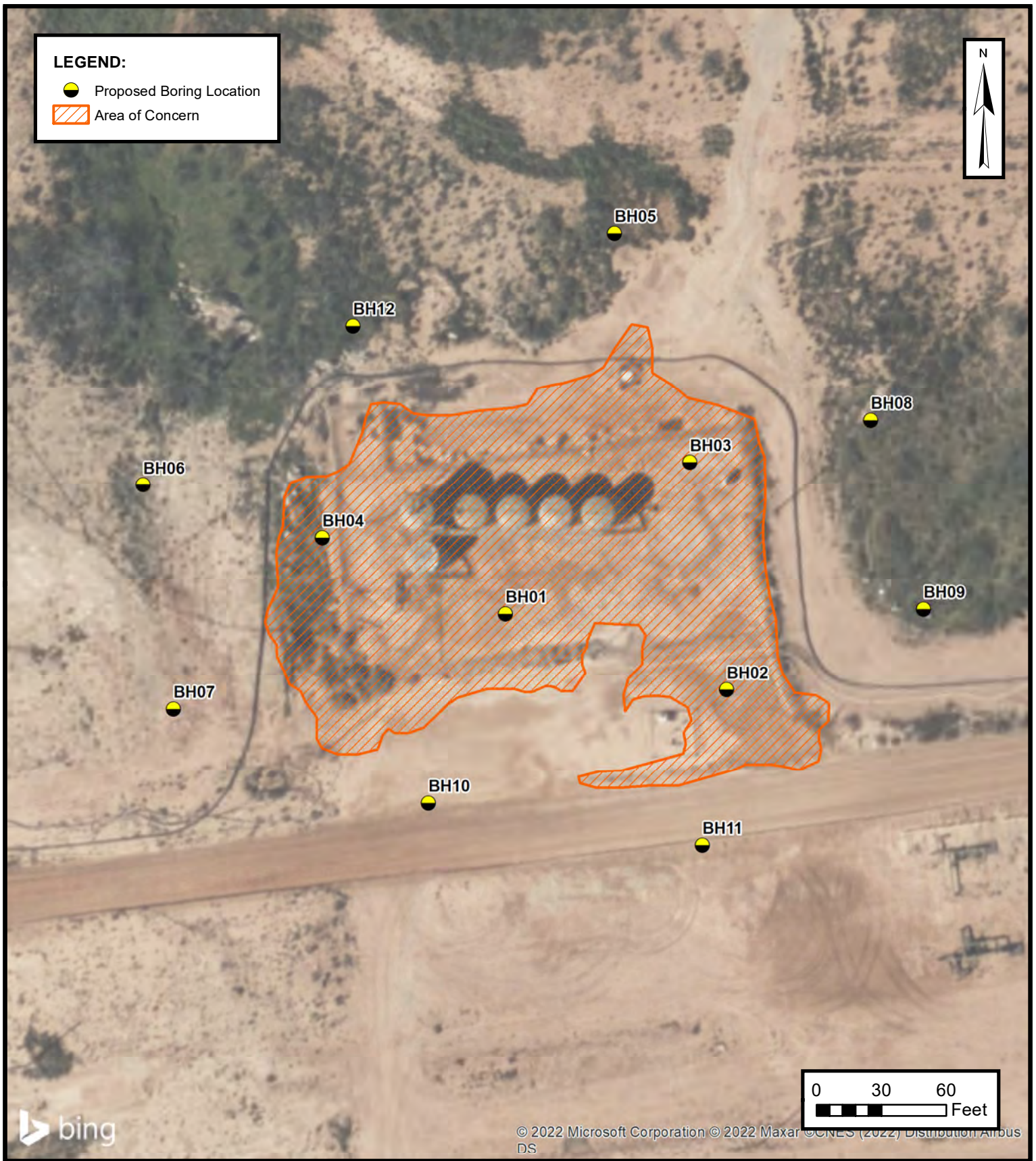


### SITE MAP

WPX ENERGY PERMIAN, LLC  
 BRUSHY GATHERING FACILITY  
 Unit M, Sec 25, T26S, R29E  
 Eddy County, New Mexico

**FIGURE**  
**1**





**PROPOSED BORING LOCATIONS**

WPX ENERGY PERMIAN, LLC  
BRUSHY GATHERING FACILITY  
Unit M, Sec 25, T26S, R29E  
Eddy County, New Mexico

**FIGURE**  
**2**



## APPENDIX B

### NMOCD Release Location Correspondence

---

**Bratcher, Mike, EMNRD**

---

**From:** Bratcher, Mike, EMNRD  
**Sent:** Thursday, October 26, 2017 12:31 PM  
**To:** Blaney, Karolina  
**Cc:** Weaver, Crystal, EMNRD; Tucker, Shelly  
**Subject:** RE: Work Plan for Brushy Creek Gathering

Karolina,

I noticed some data entry issues on these sites, so wanted to hopefully clarify all reported spills associated with this battery. From what I can tell at this point, we have five associated releases. Three were sent in calling it the "Brushy Creek Gathering Station", and two called it the "Brushy Draw Booster Station". The first three (Brushy Creek Gathering Station) were entered under API number 30-015-24451 (UCBH WW Federal 3). The other two were entered under API number 20-015-24034 (UCBH WW Federal 1). The number 3 well is approximately 450 yards east of the battery, while the number 1 well is just north of the battery, and is the closest well. I don't want to expend all the time it would take to have these all entered under the same API number, so I think going forward, for OCD, if we just reference all five RP numbers, and call it the "Brushy Creek Gathering Station" (it looks more like a gathering station than a booster station), we should be good. I will try to keep the data entry straight and going into all the files. I hope this will work for BLM, but if not Shelly, let us know. Here is a break-down of the RP numbers:

- 2RP-2742 \* DOR:1/7/15
- 2RP-2796 \* DOR:1/22/15
- 2RP-3195 \* DOR:8/10/15
- 2RP-3811 \* DOR:7/13/16
- 2RP-4011 \* DOR:11/13/16

Lat/Long for the station is: 32.005742N 103.944433W – on Google Earth, this position is close to the battery, on the east side, and is the lat/long used on 2RP-4011. The number 1 well is approximately 150 yards north of this point.

If you would, going forward, have your contractors (and all of us) reference these five 2RP numbers for this site, and call it the "Brushy Creek Gathering Station". Hopefully this will add clarity and not confusion, but any questions or concerns, let me know.

Thank you,

Mike Bratcher  
NMOCD District 2  
811 South First Street  
Artesia, NM 88210  
575-748-1283 Ext 108

PS: There is also a release reported from a stuffing box leak at the number 3 well (30-015-24451), 2RP-4089. This is completely separate from the above five releases, but thought I would mention it here.

---

**From:** Lucas Middleton [mailto:lucas.middleton@soudermiller.com]  
**Sent:** Tuesday, October 17, 2017 12:02 PM  
**To:** Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

**Cc:** Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; Blaney, Karolina <Karolina.Blaney@wpenergy.com>

**Subject:** Work Plan for Brushy Creek Gathering

I have attached a work plan for approval on a WPX location named the Brushy Creek Gathering Station BATTERY, 30-015-24451,( 2RP-3811, 2RP-2742, 2RP-2796,2RP-3195)

Call or Email with any question or comments.

Thank you and have a good day

Lucas Middleton  
Staff Scientist  
(575) 499-9244 (mobile)



Souder, Miller & Associates  
Engineering ☐ Environmental ☐ Surveying  
201 S. Halagueno  
Carlsbad, NM 88220  
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## APPENDIX C

### Groundwater Measurement Form

---



Project Manager: Joseph Hernandez



Incident ID	nAPP2230032326
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: 11/28/2022  
email: jim.raley@dvn.com Telephone: 575-689-7597

**OCD Only**

Received by: Jocelyn Harimon Date: 11/28/2022

☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature:  Date: 2/21/2023

**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 161740

**CONDITIONS**

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 161740
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. This release is in a high karst area and will need to be remediated to the strictest closure criteria of <50' depth to groundwater from Table 1 of the spill rule. Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Confirmation samples should be collected every 200 ft2. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH. The work will need to occur in 90 days after the work plan has been approved.	2/21/2023