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

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

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company WPX Energy Production, LLC	Contact Deborah Watson	
Address PO Box 640	Telephone No. 505-333-1880	
Facility Name Chaco NW Lybrook Unit 133H	Facility Type Well Site	
Surface Owner State	Mineral Owner Indian Allotted	API No. 30-045-35623

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	36	24N	08W	736	South	2531	East	San Juan

Latitude N36.26515 **Longitude** W107.63199

NATURE OF RELEASE

Type of Release crude oil and produced water	Volume of Release 15 bbl	Volume Recovered 10 bbl
Source of Release corrosion hole in dump line	Date and Hour of Occurrence unknown	Date and Hour of Discovery 6/3/17
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? Cory Smith (NMOCD) Vanessa Fields (NMOCD) Brandon Foley (NMSLO)	
By Whom? N/A	Date and Hour 6/5/17 email at 12:10 PM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

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

Describe Cause of Problem and Remedial Action Taken.*
A corrosion hole was located in an underground line. Hydrovac/spec truck was called to the location to recover fluids. The location was shut in.

OIL CONS. DIV DIST. 3
JUN 19 2017

Describe Area Affected and Cleanup Action Taken.*

- Hydrovac truck/spec truck were called to the location to recover fluids.
- The fluids remained on location.
- Cleanup is currently underway. Due to the location of the release, equipment has been temporarily removed from the facility.
- Remediation plan is attached.

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: Deborah Watson	OIL CONSERVATION DIVISION
Printed Name: Deborah Watson	Approved by Environmental Specialist:
Title: Environmental Specialist	Approval Date: 7/11/17 Expiration Date:
E-mail Address: deborah.watson@wpxenergy.com	Conditions of Approval: Notify OCD 24HRS prior to Sampling ☐ Attached
Date: 06/16/2017 Phone: 505-333-1880	

* Attach Additional Sheets If Necessary #NCS1715649419 - Segregate Stock piles And Consult with OCD prior to Increasing Sampling #'s.

(4)

June 15, 2017

Vanessa Fields
Cory Smith
New Mexico Oil Conservation Division
Energy, Minerals, and Natural Resources
1000 Rio Brazos Road
Aztec, New Mexico 87410

RE: Remediation Plan
NW Lybrook Unit #133H Well Pad
API # 30-045-35623
Section 36, Township 24N, Range 8W
San Juan County, New Mexico

Dear Ms. Fields and Mr. Smith,

WPX Energy Production has prepared this remediation plan in response to a release which occurred at the NW Lybrook Unit #133H Facility.

Initial Description
On June 3, 2017, a release of crude oil and produced water was discovered beneath the facility liner. The source of the release was from a corrosion hole located in the facility dump line. All released fluids have remained on location. The release has impacted soils below the secondary containment liner and within the facility flowline trenches.

Site Information
The NW Lybrook Unit #133H Well Pad is located on New Mexico State Land located just off of US Highway 550. Wells located on the NW Lybrook Unit #133H Well Pad include the NW Lybrook Unit #133H and NW Lybrook Unit #134H. The legal description for the site is: Unit Letter O, Section 36, Township 24N, Range 8W. The release point is approximated with GPS coordinates N36.26515, W107.63199.

Site Ranking and RRAL
In accordance with *New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), this site was assigned a ranking score of 20. Based on a ranking score of 20, Recommended Remediation Action Levels (RRAL) for impacted soils at the site are as follows: 10 mg/kg benzene, 50 mg/kg total benzene, toluene, ethylbenzene, and total xylenes (BTEX), and 100 mg/kg total petroleum hydrocarbons (TPH) as gasoline range organics (GRO) and diesel range organics (DRO).

Depth to groundwater at the site is estimated to be approximately 65 feet below ground surface (bgs) based on ground bed log data collected from the site.

A review was completed of the New Mexico Office of the State Engineer Online New Mexico Water Rights Reporting System and no water wells were identified within a 1,000 feet radius of the location.

Blanco Wash is located approximately 345 feet northeast from the release point.

Proposed Remediation
WPX proposes to utilize soil shredding remediation technology to treat hydrocarbon impacted soil with the following procedures:

- WPX personnel /WPX representative will direct the excavation, using visual observations and field screening methods to determine soils which have been impacted by hydrocarbons.
- An effort will be made to segregate clean overburden. Clean overburden will be stockpiled for use as backfill.
- Impacted soil will be stockpiled in 100 cubic yard intervals for the first 1,000 cubic yards removed and then in 500 cubic yard intervals after the initial 1,000 cubic yards is successfully remediated (see Soil Sampling section below).
- The stockpiles of impacted soil will be bermed with clean fill or other best management practice to prevent migration of potential hydrocarbon impact off-site.
- Impacted soil will be processed through a shading bucket attached to an excavator that macerates, or "shreds" the soil into a uniform soil size before it is emptied into a grizzly shaker screen to further segregate the soil.
- A hydrogen peroxide solution ranging from 1 percent to 10 percent hydrogen peroxide by weight in water will be applied to the soil on a conveyor belt with multiple spray nozzles.
- The treated soil will be stockpiled on-site and left to rest for at least 24 hours to allow hydrogen peroxide to continue oxidizing hydrocarbons.
- Treated soil will be sampled according to the sampling schedule presented below to confirm remediation.
- When soil analytical results indicate treated soil and excavation confirmation soil samples meet the applicable RRAL stated above, the treated soil will be returned to the open excavation for use as backfill.
- Once all treated soil has been returned to the excavation, any removed overburden will be applied. The backfill will be compacted to 90%.
- Once the excavation has been backfilled, WPX will proceed with facility reset.

Soil Sampling
The following soil sampling will be conducted during site remediation:

- During source removal activities, WPX personnel/WPX representative will collect confirmation soil samples from the sidewalls and base of the excavation. The confirmation soil samples (5-point) will be representative of the excavation, typically spaced at 30-feet centers along the sidewalls. Excavation base samples will be collected approximately one sample per 625 square feet.
- WPX personnel/WPX representative will collect composite soil samples at a rate of 1 composite sample per 100 cubic yards of treated soil, for the first 1,000 cubic yards of treated soil. Based on the performance of the first 1,000 cubic yards of treated material, subsequent composite soil samples will be collected every 500 cubic yards.
- The area where treated soil is stockpiled will also be sampled upon completion of all remediation activities. The pad surface (0"- 6") located beneath any areas where impacted

and treated material was stockpiled will be segregated into agreed upon areas, representative of their size. Composite soil samples will be collected from each representative area.

- Composite soil samples will be collected in laboratory provided sample containers. Samples will be submitted to Hall Environmental Analysis Laboratory for BTEX per U.S. Environmental Protection Agency (USEPA) Method 8021 and TPH (as motor oil/lube oil range organics (MRO)/DRO/GRO) per USEPA Method 8015. The samples will be rushed on a 24-hour turnaround time so analytical results are received the next business day.
- WPX personnel/WPX representative will map sample locations and pertinent excavation information.
- WPX will notify NMOCD/NMSLO prior to collection of confirmation samples. Confirmation soil samples will be collected by WPX personnel/WPX representative.

Reporting and Communication

WPX will track the volumes of soil excavated, treated, and sampled, as well as provide preliminary/final laboratory reports to the agencies. Backfill of treated material will not occur without agency approval. A report will be submitted with the final C-141.

If you have any questions or need additional information, please contact me at 505-333-1880.

Sincerely,

Deborah Watson

Deborah Watson
Environmental Specialist