

Incident ID	NRM2019550825
District RP	
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>>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 type="checkbox"/> Yes <input checked="" 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 type="checkbox"/> Yes <input checked="" 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 not 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	NRM2019550825
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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: Lynda Laumbach Title: Environmental Specialist
Signature:  Date: 07/23/2020
email: Lynda.Laumbach@wpenergy.com Telephone: (575)725-1647

OCD Only

Received by: _____ Date: _____

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Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Lynda Laumbach Title: Environmental Specialist

Signature:  Date: 07/23/2020

email: Lynda.Laumbach@wpxenergy.com Telephone: (575)725-1647

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



July 23, 2020
Mike Bratcher
NMOCD District 2
811 South First Street
Artesia, NM 88210

Re: RDX Federal Com 17 #044H Release Closure Request (NRM2019550825)

Mr. Bratcher,

This report summarizes the secondary containment inspection activities at the RDX Federal Com 17 #044H well pad (Site). The topographic map of the Site is provided as Figure 01. On June 29, 2020, a produced water line inside secondary lined containment developed a pinhole leak releasing 20 barrels (bbls) of produced water into the containment. No fluids were observed outside the containment and all fluids were recovered using a water truck.

Well Location: RDX Federal Com 17 #044H

API #: 30-015-44409

NMOCD Reference #: NRM2019550825

Site Location Description: Unit Letter C, Section 17, Township 26S, Range 30E

Release Latitude/Longitude: N32.0489865, W103.9035056

Land Jurisdiction: Federal

Agency Notification: New Mexico Oil Conservation Division (NMOCD), Artesia District Office

Agency Notification Date(s): July 06, 2020

Source of Release: Corrosion pinhole of produced water line

Release Contents: produced water

Volume Released: estimated 20 barrels

Volume Recovered: estimated 20 barrels

Estimated Depth to Groundwater: >100 feet

NMOCD Site Characterization Standards

The Closure criteria of this site was determined based on the New Mexico Administrative Code (NMAC) Table 1, *Closure Criteria for Soils Impacted by a Release*, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12). Depth to groundwater at the site is estimated to be greater than 100 feet below ground surface (bgs) based on the Chevron Groundwater map and the closest groundwater well; NMOCD Well C-01361 with a depth to water of 184 feet bgs, located approximately one mile north of the Site. The Site is not located within 300 feet of an OSE waterbody. Based on the criteria outlined above, the closure criteria from the NMOCD Table 1 are as follows:

- 20,000 milligrams per kilogram (mg/kg) Chloride
- 50 mg/kg Benzene, Toluene, Ethylbenzene, and xylenes (BTEX)
- 10 mg/kg Benzene
- 2,500 mg/kg Total Petroleum Hydrocarbons (TPH)
- 1,000 mg/kg Diesel range organics (DRO) + Gasoline range organics (GRO)

Field Activities

The secondary liner containment was washed on July 14, 2020. The area of interest is located on Figure 02. Notification of liner inspection was scheduled with the NMOCD on July 17, 2020 for July 21, 2020. The liner inspection was completed July 15, 2020. Photographs of the secondary containment inspection are provided in Attachment 01.

Conclusions

The liner inspection to address the release impacts from NRM2019550825 demonstrates compliance with the Table 1 Closure Criteria set forth by the NMOCD. The secondary containment was determined to be intact and functioning properly to contain releases. Actions to mitigate initial impacts of this site have proven a successful remediation. WPX requests no further action for this incident. The updated C-141 is attached to the beginning of this report.

If any questions or further information is warranted, please do not hesitate to contact me by cell phone at (575) 725-1647 or by email at Lynda.Laumbach@wpxenergy.com.

Best regards,



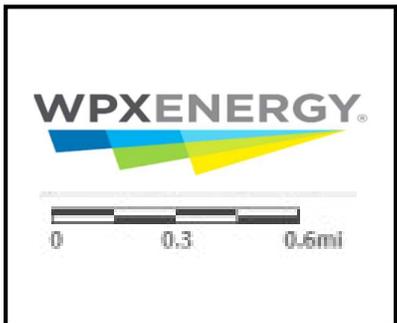
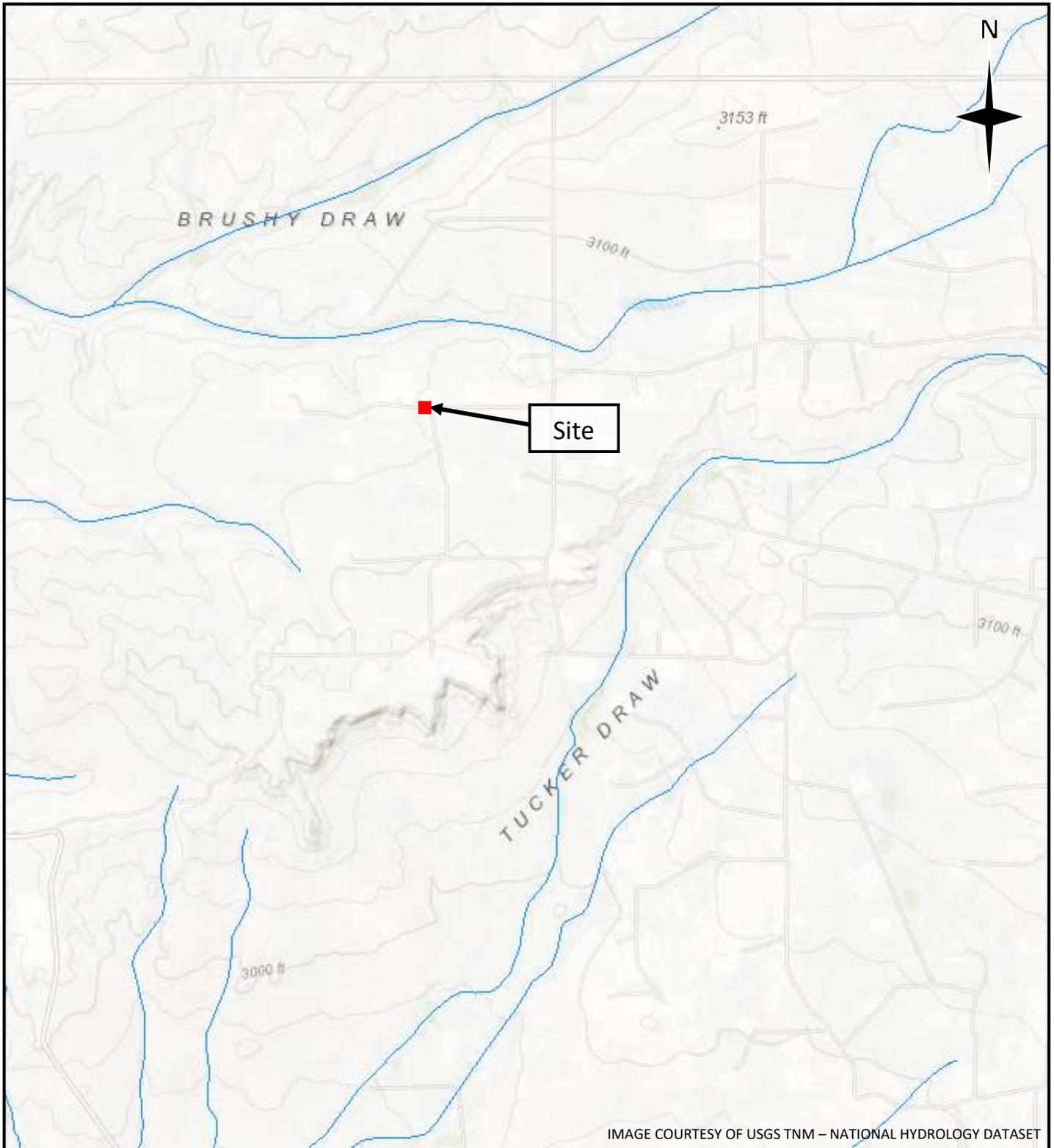
Lynda Laumbach
Environmental Specialist

CC: Robert Hamlet, NMOCD
Victoria Venegas, NMOCD

Attachments:

Figure 01 Topography
Figure 02 Site Map
Attachment 01 Photograph Log

Figures



Legend

- Site
- ▬ OSE Water Body

Figure 01
RDX Federal Com 17 #044H
30-015-44409
Permian Basin, Eddy County, NM
32.0489865, -103.9035056



IMAGE COURTESY OF USGS TNM – TXZDEL 19-Mosaics-SM-2019



WPX ENERGY



0 100 200ft

Legend

✖ Point of Release

Figure 02

RDX Federal Com 17 #044H

30-015-44409

Permian Basin, Eddy County, NM

32.0489865, -103.9035056



Picture 1- South face, west side of TB

21-Jul-20



Picture 2- North face, west side of TB

21-Jul-20



Picture 3- East face, northwest edge of TB

21-Jul-20



Picture 4- West face, east edge of TB

21-Jul-20





Picture 5- South face, northeast edge of TB

21-Jul-20



Picture 6- north face, southeast edge of TB

21-Jul-20



Picture 7- North face, south edge of TB

21-Jul-20

