

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	nCH1828535092
District RP	1RP-5229
Facility ID	
Application ID	pCH1828535185

Release Notification

Responsible Party

Responsible Party	XTO Energy, Inc.	OGRID	5380
Contact Name	Shelby Pennington, Environmental Supervisor	Contact Telephone	(281) 723-9353
Contact email	shelby_pennington@xtoenergy.com	Incident #	NCH1828535092 EUNICE
Contact mailing address	6401 Holiday Hill Road, Midland, TX 79707		MONUMENT SOUTH UNIT B #857 (EMSU B #857) @ 30-025-04220

Location of Release Source

Latitude 32.5886210°N Longitude -103.323925°W
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Eunice Monument South Unit B #857 (EMSU B #857)	Site Type	Wellhead location
Date Release Discovered	September 22, 2018 (0645 Hrs MDT)	API# (if applicable)	30-025-04220

Unit Letter	Section	Township	Range	County
G	11	20S	36E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: George Klein (K&L Ranch))

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) 0.34 bbl	Volume Recovered (bbls) 0 bbl
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 17.70 bbl	Volume Recovered (bbls) 10 bbl
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" 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

Lease operator found 1" nipple on EMSU B 857 wellhead with a pin hole in it due to corrosion.

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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? Release was less than 25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc.)? Not required	

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 type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input 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: XTO Energy has performed initial response measures inclusive of leak isolation, turning off the well, and recovery of all free fluids utilizing vacuum trucks. Nipple on wellhead was replaced. The release impact was limited to the wellhead location and caliche' road. Native soils were not impacted by the release.	
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: Shelby Pennington_____	Title: Environmental Supervisor_____
Signature: <u>Shelby G Pennington</u>	Date: 10-02-2018_____
email: shelby_pennington@xtoenergy.com_____	Telephone: (281) 723-9353_____

OCD Only

Received by: _____

RECEIVED

By CHernandez at 9:38 am, Oct 12, 2018

Incident ID	
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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input 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 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 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 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 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 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 type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input type="checkbox"/> No

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

<p>Characterization Report Checklist: <i>Each of the following items must be included in the report.</i></p> <div><input type="checkbox"/> Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.<input type="checkbox"/> Field data<input type="checkbox"/> Data table of soil contaminant concentration data<input type="checkbox"/> Depth to water determination<input type="checkbox"/> Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release<input type="checkbox"/> Boring or excavation logs<input type="checkbox"/> Photographs including date and GIS information<input type="checkbox"/> Topographic/Aerial maps<input type="checkbox"/> Laboratory data including chain of custody</div>

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

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Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Incident ID	
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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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

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: _____

Oil or Water Spill **TO SOIL** Volume Spreadsheet

Calculator Updated 11/17/2015

INPUT FIELDS
OUTPUT
RESULT

Location:	EMSU B 857
GPS Coordinates:	32.588621, 103.3239252
Spill Date:	9/22/2018
Spill Time:	8:00am

Types of Soil	Porosity Factor
Gravel	0.25
Sand	0.20
Clay/silt/sand Mix	0.15
Clay	0.05
Caliche	0.03
Unknown	0.25

Length of Spill=		feet
Width of Spill=		feet
Saturation (or depth) of Spill=		inches

OR

Area=	8,656.00	ft ²
Saturation (or depth) of Spill=	2.00	inches

OR

Soil Volume=		yd ³
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Oil Cut=	0.02	% Oil
Porosity Factor=	0.03	

Soil Volume=	53.43	yd ³
Total Oil in Soil=	0.00	barrels
Total Produced Water in Soil=	7.71	barrels

Volume Picked up	10.00	bbls
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TOTAL VOLUME OF LEAK (SOAK AND RECOVERED)

Total Oil=	0.00	barrels
Total Produced Water=	17.70	barrels

TOTAL VOLUME RECOVERED

Total Oil=	0.00	barrels
Total Produced Water=	10.00	barrels

RRC NOTIFICATION REQUIREMENTS

OIL LEAK => 5 BBLs

WATER LEAK => 30 BBLs

Take Photos of spill before cleanup

Make Sketch of Spill Area

STEP 1
USED TO
CALCULATE
SOAK INTO THE
GROUND. ONLY
USE ONE
METHOD

STEP 2
INPUT OIL CUT
AND POROSITY
FROM ABOVE
CHART

STEP 3
INPUT VOLUME
VAC TRUCK
RECOVERED






XTO Energy, Inc. - EMSU B #857 Release

Release Area Map

Site Visit Date: 09-26-2018

Location: 32.58868°, -103.32387°

Legend

-  EMSU B #857 (Pooled Rainwater)
-  EMSU B #857 Release Area [6,616 sqft / 0.15 acres]
-  EMSU B #857 Release Path (View 1)
-  EMSU B #857 Release Path (View 2)
-  EMSU B #857 Wellhead

EMSU B #857 Wellhead

EMSU B #857 Release Path (View 1)

EMSU B #857 Release Path (View 2)

EMSU B #857 (Pooled Rainwater)



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Release Area Map

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Legend

- EMSU B #857 (Pooled Rainwater)
- EMSU B #857 Release Area [6,616 sqft / 0.15 acres]
- EMSU B #857 Release Path (View 1)
- X 7 Release Path (View 2)
- 7 Wellhead

EMSU B #857 Wellhead



Latitude: 32.58865° N
Longitude: 103.32391° W
Altitude: 3,584.32 ft
Location: EMSU B #857
Date & time: 9/26/18, 9:07 AM

EMSU B #857 Wellhead. Leak has been repaired.
Worker was present on-site at time of Sport
Environmental's site visit to perform further checks on
repair work. Facing North

7 (Pooled Rainwater)

Google Earth

2000 ft



XTO Energy, Inc. - EMSU B #857 Release

Release Area Map

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Location: 32.58868°, -103.32387°

Legend

- EMSU B #857 (Pooled Rainwater)
- EMSU B #857 Release Area [6,616 sqft / 0.15 acres]
- EMSU B #857 Release Path (View 1)
- EMSU B #857 Release Path (View 2)
- EMSU B #857 Wellhead

EMSU B #857 Release Path (View 1)



Latitude: 32.58854° N
Longitude: 103.32385° W
Altitude: 3,583.69 ft
Location: EMSU B #857
Date & time: 9/26/18, 9:08 AM

EMSU B #857 Release Path. Free liquids have been removed. Some pooled rainwater is present - no visible sheen observed. Facing South/Southeast

Pooled Rainwater)

Google Earth

2000 ft



XTO Energy, Inc. - EMSU B #857 Release

Release Area Map

Site Visit Date: 09-26-2018

Location: 32.58868°, -103.32387°

Legend

- EMSU B #857 (Pooled Rainwater)
- EMSU B #857 Release Area [6,616 sqft / 0.15 acres]
- EMSU B #857 Release Path (View 1)
- EMSU B #857 Release Path (View 2)
- EMSU B #857 Wellhead

EMSU B #857 Wellhead

EMSU B #857 Release Path (View 1)

EMSU B #857 Release Path (View 2)

EMSU B #857 Release Path (View 2)



Latitude: 32.58849° N
Longitude: 103.32362° W
Altitude: 3,583.20 ft
Location: EMSU B #857
Date & time: 9/26/18, 9:09 AM

EMSU B #857 Release Path. Free liquids have been removed. Minor staining is present. Facing South/Southwest

Google Earth

100 ft

XTO Energy, Inc. - EMSU B #857 Release

Release Area Map

Site Visit Date: 09-26-2018

Location: 32.58868°, -103.32387°

Legend

- EMSU B #857 (Pooled Rainwater)
- EMSU B #857 Release Area [6,616 sqft / 0.15 acres]
- EMSU B #857 Release Path (View 1)
- EMSU B #857 Release Path (View 2)
- EMSU B #857 Wellhead

EMSU B #857 Wellhead

EMSU B #857 Release Path (View 1)

EMSU B #857 Release Path (View 2)

EMSU B #857 (Pooled Rainwater)



Latitude: 32.58844° N
Longitude: 103.32350° W
Altitude: 3,582.78 ft
Location: EMSU B #857
Date & time: 9/26/18, 9:09 AM

EMSU B #857 — Pooled Rainwater is present on the lease road.

Google Earth

100 ft