



August 7, 2025

XTO Energy
3104 E Greene Street
Carlsbad NM, 88220

Attn: New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico, NM 87505

RE: **Release Investigation and Closure Report**
XTO Energy
JRU DI2 Battery
Unit K, Section 25, Township 22 South, Range 30 East
32.362603°, -103.838139°
Eddy County, New Mexico
Terracon Project No. KH247052

To Whom It May Concern:

Terracon Consultants, Inc. (Terracon) is submitting this updated Release Investigation and Closure Report for the above-referenced site on behalf of XTO Energy (XTO). Prepared in line with New Mexico Oil Conservation Division (NMOCD) regulations, this report addresses the environmental actions taken in response to a release of produced water. Terracon and XTO received correspondence from the NMOCD regarding the Closure Report associated with the release of produced water from the JRU DI2 Battery on October 14, 2024. Terracon has provided formal responses to your comments, as outlined below.

NMOCD Comment: On April 7, 2025, Mr. Nelson Velez, with the NMOCD provided the following response to the submitted release investigation and closure report, dated December 13, 2025.

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action (C-141)*, for incident ID (n#) nAPP2428835246, for the following reasons:

- **Remediation closure report is denied for the following reason; 1. Did not collect final sampling per 19.15.29.12D (1) NMAC. 2. XTO has 90-days (July 7, 2025) to submit its appropriate or final remediation closure report.**

Terracon Response: On June 19, 2025, Terracon mobilized to the site and collected 5 five-point composite confirmation samples from the area where the release occurred, and the remediation was conducted. The results show that the release area is below the applicable NMOCD remediation standards, with no detections for Benzene, Toluene, Ethylbenzene,

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Xylenes (BTEX), Total Petroleum Hydrocarbons (TPH), and with the chloride results reporting under 20,000 milligrams per kilogram (mg/kg).

Site Information

The notice of the release was provided to the NMOCD by Colton Brown on October 14, 2024, with the submission of the initial C-141. The release was assigned NMOCD Reference ID: nAPP2428835246. The site is located within Unit K, Section 25, Township 22 South, Range 30 East, approximately 16.25 miles east of Loving, New Mexico. A Topographic Map and Site Location Map are included in Appendix A, as Exhibit 1 and Exhibit 2, respectively.

Regulatory Criteria

Groundwater

A review of data from the New Mexico Office of the State Engineer (NMOSE) website identified a Point of Diversion (C-4731-POD1) located approximately 0.05 miles (260 feet) south of the site, indicating the depth to groundwater is greater than 100 feet. Records indicate C-4731-POD1 was a soil boring advanced to 110 feet below ground surface (BGS) on or around March 2023. The boring was allowed to sit open for 72 hours without groundwater recovery into the well. The boring was then plugged and abandoned in accordance with NMOSE requirements. The location of C-4731-POD1 is shown on Exhibit 4 in Appendix A, and the boring completion details are presented in Appendix D.

Wetlands

A review of the U.S. Fish and Wildlife Service National Wetlands Inventory website indicates that an ephemeral streambed is located approximately 1-mile northeast of the site. A Designated Wetland Area Map showing this feature is presented as Exhibit 5, Appendix A.

Karst

A review of geospatial data obtained from the BLM Carlsbad Field Office website indicated that the site is within an area of low risk for Karst formations. A copy of the Cave Karst Public UCP Map is presented as Exhibit 6, Appendix A.

Remediation

Remediation Standards

Per New Mexico Administrative Code (NMAC) 19.15.29.12, the closure criteria for the site are based on the remedial requirements for an on-pad release consisting of the removal of the affected soil from the surface to 4 feet below grade surface (bgs) in an area with depth to groundwater greater than 100 feet. Closure criteria are shown in the following table:

Closure Criteria for Remediation at Depths Greater than 4 Feet bgs		
Parameters	Closure Criteria	Analytical Method
Total Benzene, Toluene, Ethylbenzene and Xylenes (Total BTEX)	50 mg/kg	EPA Method 8021B

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Benzene	10 mg/kg	EPA Method 8021B
Chlorides	20,000 mg/kg	EPA Method 300
Petroleum Hydrocarbons GRO+DRO	1,000 mg/kg	EPA Method 8015M
Total Petroleum Hydrocarbons (TPH) GRO, DRO and MRO	2,500 mg/kg	EPA Method 8015M

Remedial / Delineation Activities

Remedial activities were conducted at the site from October 21, 2024, through November 21, 2024. An area of approximately 160 square feet was affected by the release. A total of 13 delineation samples from 7 locations were collected and submitted for analysis of BTEX, Chlorides, and TPH. Delineation sample results for BTEX and TPH from the laboratory were each reported as not detected above the laboratory sample detection limits. The sample results for Chloride were below the applicable NMOCD closure criteria referenced above of 20,000 mg/kg, with the highest result being 13,100 mg/kg from DSV-01 (0.5'). A Delineation Sample Map depicting the sample locations, analytical results, and the excavation extent are included in Appendix A, Exhibit 3. Delineation sample results are included in Appendix B, Table 1.

Confirmation / Closure Activities

Areas exhibiting visual impact were excavated to a depth of between 0.0 feet to 0.5 feet bgs. A total of 5 five-point composite confirmation soil samples were collected on June 19, 2025, and submitted for analysis of BTEX, chloride, and TPH. All confirmation samples yielded results below the applicable NMOCD closure criteria. A total of approximately 3 cubic yards (cu. yds.) of surficial stained soils were excavated during remedial activities. Photographs of the project site are included in Appendix C. The analytical reports and Chain of Custody (COC) are included in Appendix D.

Conclusion

In accordance with NMAC 19.15.29.12, remediation of the impacted material is complete, and XTO Energy respectfully requests closure of the reportable incident that occurred on October 10, 2024, at the NMOCD Reference # nAPP2428835246 – JRU DI2 Battery location.

We are grateful for the opportunity to offer our environmental services to XTO Energy. We are committed to providing the highest level of service and support. Should you need further information or have any queries, we encourage you to contact our office at your earliest convenience.

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Sincerely,



Prepared by:

Austin Worley

Environmental Staff Scientist

Lubbock, TX =

Reviewed by:

John Grams, P.G. (TX)

Senior Consultant

Lubbock, TX =

Attachments:**Appendix A – Exhibits**

Exhibit 1	–	Topographic Map
Exhibit 2	–	Site Location Map
Exhibit 3	–	Delineation Sample Map
Exhibit 4	–	NMOSE POD Location Map
Exhibit 5	–	Designated Wetland Area Map
Exhibit 6	–	Cave Karst Public UCP Map
Exhibit 7	–	Excavation Map
Exhibit 8	–	Confirmation Map

Appendix B – Tables

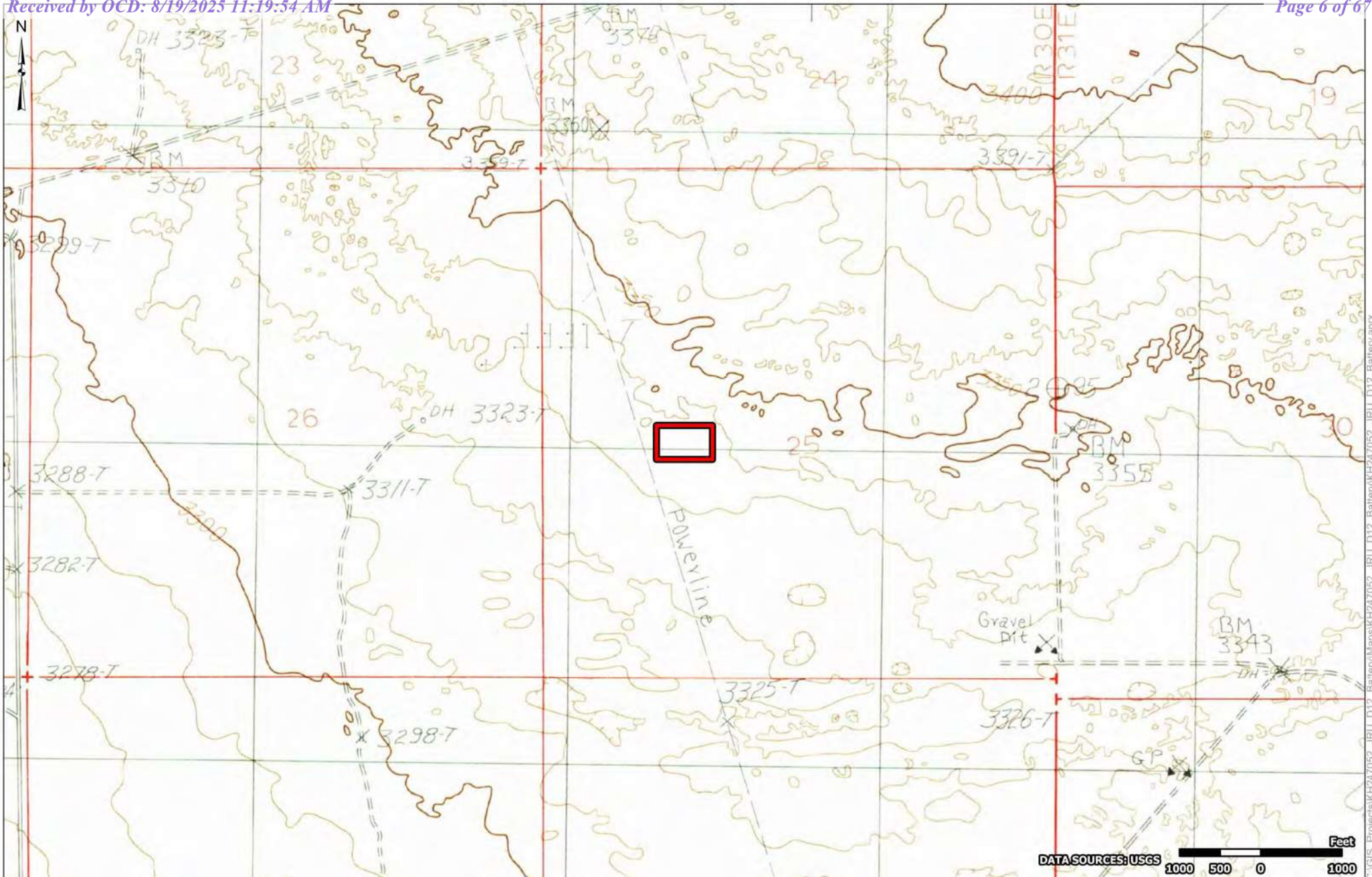
Table 1	–	Delineation Samples
Table 2	–	Confirmation Samples


Appendix C – C-141 Summary Sheet**Appendix D – POD C-4731-POD1 Information****Appendix E – Photographic Log****Appendix F – Analytical Report and Chain of Custody****Appendix G – Terracon Standard of Care, Limitation, and Reliance**

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APPENDIX A – EXHIBITS



 Site Boundary

Project No.:
KH247052

Date:
Oct 29 2024

Drawn By:
JWL

Reviewed By:
JRG



4526 W Pierce St
Carlsbad, NM

PH. 806-300-0140

terracon.com

Topographic Map

JRU D12 Battery
32.36296, -103.83717
Loving, Eddy County, New Mexico

Exhibit


1




bing

DATA SOURCES: Bing 50 25 0 50 Feet



 Site Boundary

Project No.: KH247052
Date: Oct 29 2024
Drawn By: JWL
Reviewed By: JRG

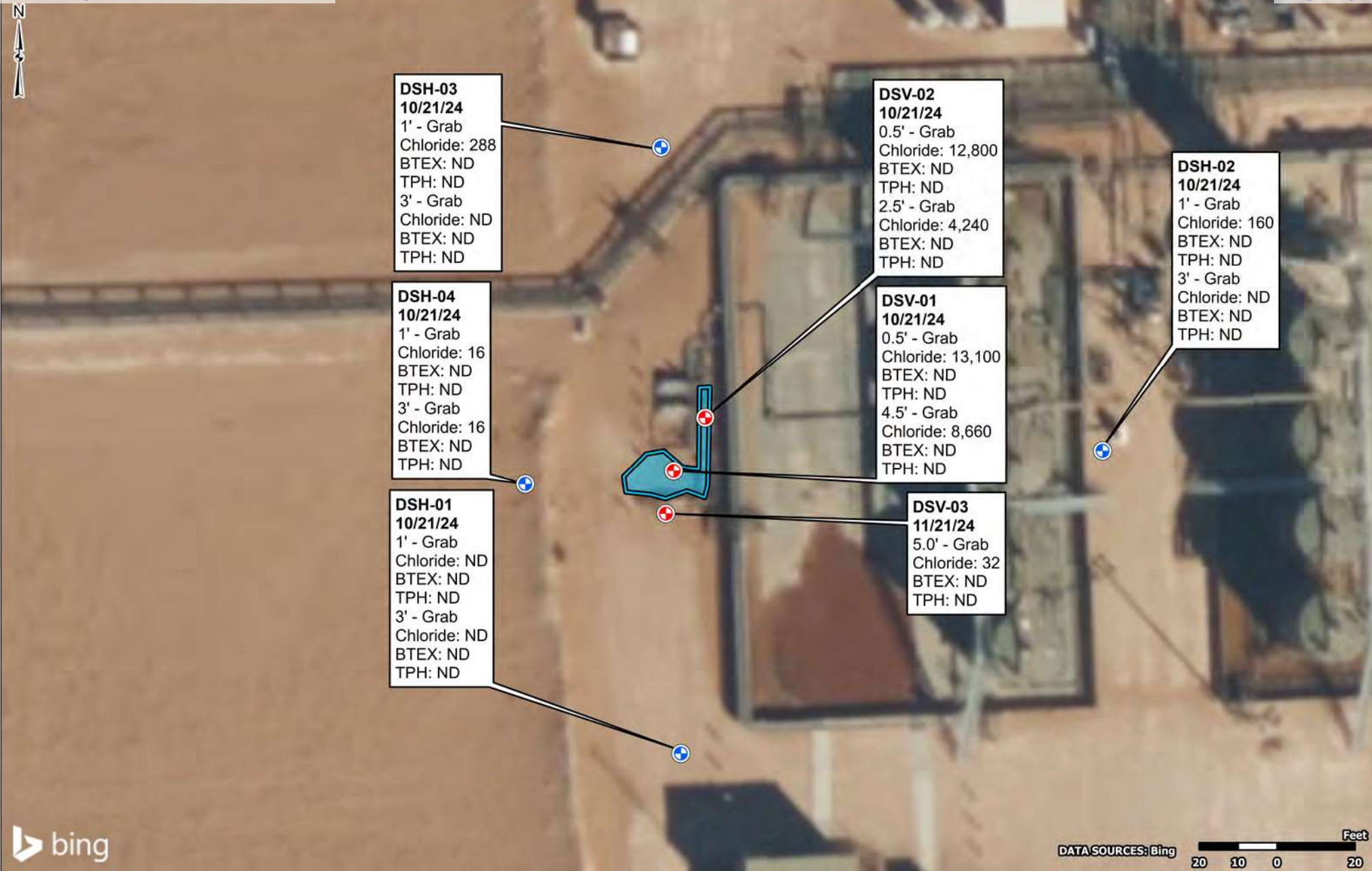


4526 W Pierce St
Carlsbad, NM

PH. 806-300-0140 terracon.com

Site Location Map
JRU D12 Battery 32.36296, -103.83717 Loving, Eddy County, New Mexico

Exhibit
2



- Horizontal Delineation Sample
- Vertical Delineation Sample
- Inferred Release (166 Sq. Ft.)

Project No.:
KH247052

Date:
Dec 06 2024

Drawn By:
JWL

Reviewed By:
JRG

Terracon

4526 W Pierce St
Carlsbad, NM

PH. 806-300-0140 terracon.com

Delineation Sample Map

JRU D12 Battery
32.36296, -103.83717
Loving, Eddy County, New Mexico

Exhibit

3



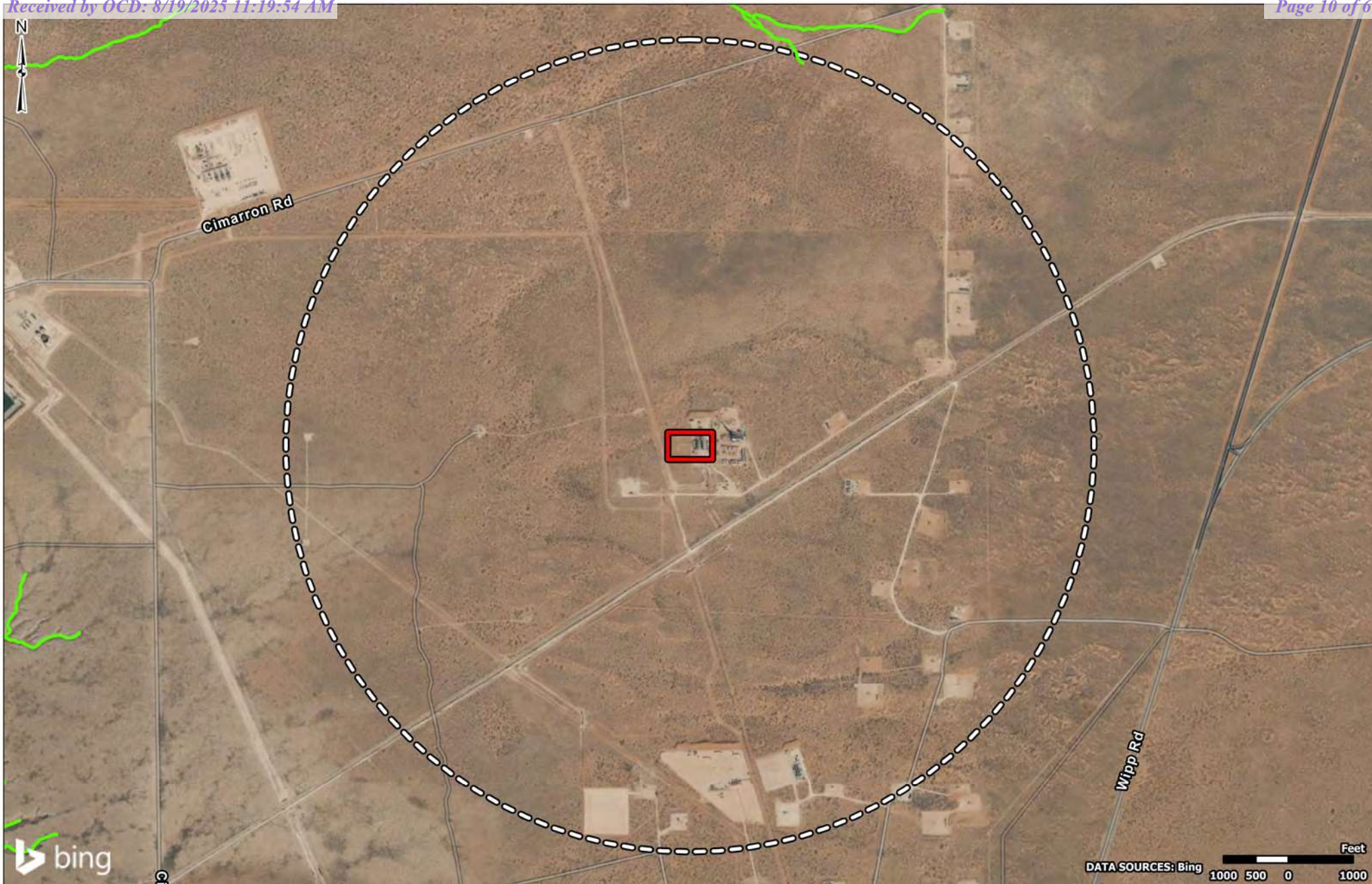
- Inferred Release
- NMOSE POD Location

Project No.: KH247052
Date: Nov 01 2024
Drawn By: JWL
Reviewed By: JRG

Terracon
4526 W Pierce St
Carlsbad, NM
PH. 806-300-0140 terracon.com

NMOSE POD Location Map
JRU D12 Battery
32.36296, -103.83717
Loving, Eddy County, New Mexico

Exhibit
4



- Site Boundary
- 1 mi Radius
- Riverine

Project No.:
KH247052
Date:
Oct 29 2024
Drawn By:
JWL
Reviewed By:
JRG

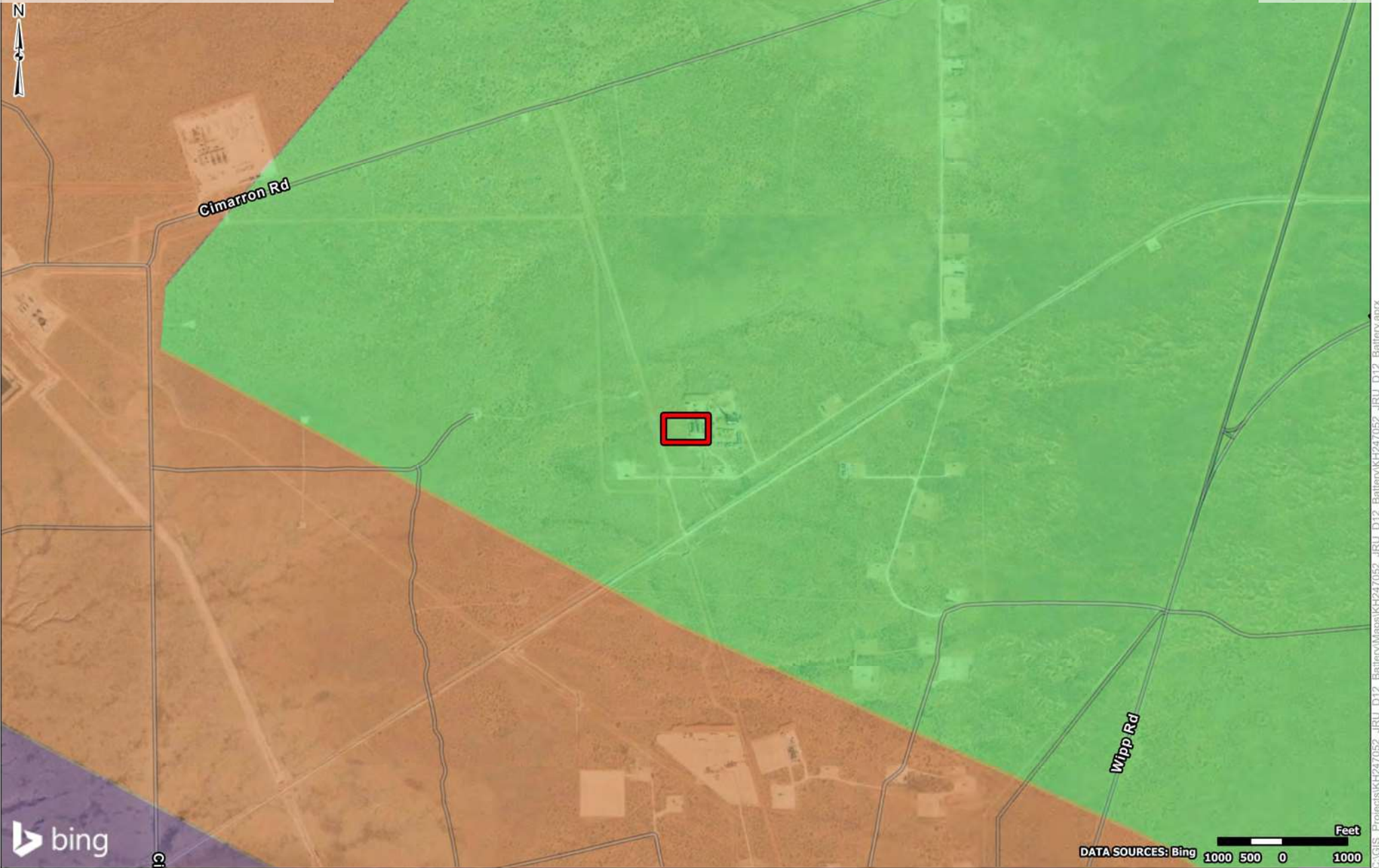
Terracon
4526 W Pierce St
Carlsbad, NM
PH. 806-300-0140 terracon.com

Designated Wetland Area Map

JRU D12 Battery
32.36296, -103.83717
Loving, Eddy County, New Mexico


Exhibit

5



- Site Boundary
- Karst Potential
 - Low
 - Medium

Project No.: KH247052
Date: Oct 29 2024
Drawn By: JWL
Reviewed By: JRG



4526 W Pierce St
Carlsbad, NM

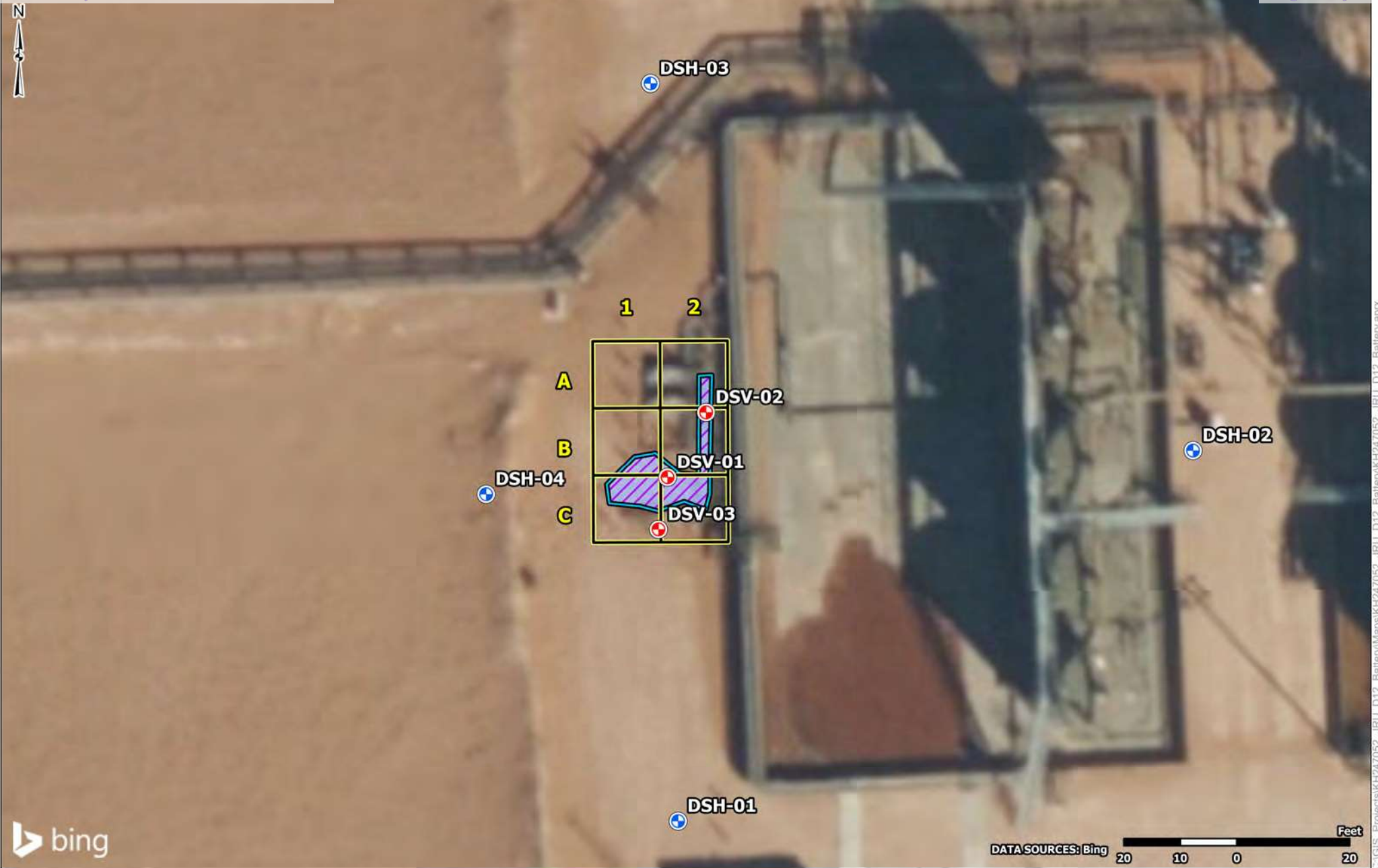
PH. 806-300-0140 terracon.com

Cave Karst Public UCP Map

JRU D12 Battery
32.36296, -103.83717
Loving, Eddy County, New Mexico

Exhibit

6



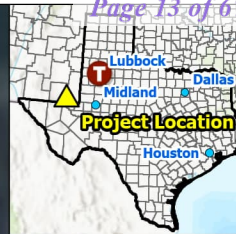
- 200 Sq Ft Grid
- 0.5' Excavation Area
- Inferred Release (166 Sq. Ft.)
- Horizontal Delineation Sample
- Vertical Delineation Sample

Project No.:
KH247052
Date:
Dec 09 2024
Drawn By:
JWL
Reviewed By:
JRG

Terracon
4526 W Pierce St
Carlsbad, NM
PH. 806-300-0140 terracon.com

Excavation Map
JRU D12 Battery
32.36296, -103.83717
Loving, Eddy County, New Mexico

Exhibit
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CWS-2
06/19/2025
0' - 1' Soil Sample
 Chloride: 6,400
 BTEX: <0.300
 TPH: <30.0

CWS-3
06/19/2025
0' - 1' Soil Sample
 Chloride: 6,700
 BTEX: <0.300
 TPH: <30.0

CWS-1
06/19/2025
0' - 1' Soil Sample
 Chloride: 6,400
 BTEX: <0.300
 TPH: <30.0

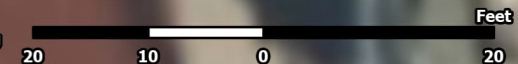
CWS-4
06/19/2025
0' - 1' Soil Sample
 Chloride: 6,800
 BTEX: <0.300
 TPH: <30.0

CSF-1
06/19/2025
0.5' - 1' Soil Sample
 Chloride: 10,800
 BTEX: <0.300
 TPH: <30.0

NMOCD RAL 0-ft to 4-ft BGS
 20,000 mg/kg for Chloride
 2,500 mg/kg for Total TPH
 10 mg/kg for BTEX

Bold and Highlighted denote concentrations that exceed the NMOCD Reclamation and/or Remediation and Delineation Standards

DATA SOURCES: Bing



- Confirmation Sample Floor
- Inferred Release (166 Sq. Ft.)
- CWS-1
- CWS-2
- CWS-3
- CWS-4

Project No.:
KH247052

Date:
Jul 08 2025

Drawn By:
JWL

Reviewed By:
JRG



5847 50th St
 Lubbock, TX

PH. 806-300-0140

terracon.com

Confirmation Sample Map

JRU D12 Battery
 32.36296, -103.83717
 Loving, Eddy County, New Mexico


Exhibit

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APPENDIX B – TABLES

JRU D12 Battery Table 1 - Release Assessment Project Code: KH247052 NMOCD Reference No. nAPP2428835246											
Sample ID	Sample Date	Sample Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX ¹ (mg/Kg)	Total TPH ² (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)
					EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M
Release Assesment											
DSH-01	10/21/2024	1.0	Grab	In-situ	ND	ND	ND	ND	ND	ND	ND
	10/21/2024	3.0	Grab	'In-situ	ND	ND	ND	ND	ND	ND	ND
DSH-02	10/21/2024	1.0	Grab	'In-situ	160	ND	ND	ND	ND	ND	ND
	10/21/2024	3.0	Grab	'In-situ	ND	ND	ND	ND	ND	ND	ND
DSH-03	10/21/2024	1.0	Grab	'In-situ	288	ND	ND	ND	ND	ND	ND
	10/21/2024	3.0	Grab	'In-situ	ND	ND	ND	ND	ND	ND	ND
DSH-04	10/21/2024	1.0	Grab	'In-situ	16	ND	ND	ND	ND	ND	ND
	10/21/2024	3.0	Grab	'In-situ	16	ND	ND	ND	ND	ND	ND
DSV-01	10/21/2024	0.5	Grab	Excavated	13100	ND	ND	ND	ND	ND	ND
	10/21/2024	4.5	Grab	'In-situ	8660	ND	ND	ND	ND	ND	ND
DSV-02	10/21/2024	0.5	Grab	Excavated	12800	ND	ND	ND	ND	ND	ND
	10/21/2024	2.5	Grab	'In-situ	4240	ND	ND	ND	ND	ND	ND
DSV-03	11/21/2024	5.0	Grab	'In-situ	32	ND	ND	ND	ND	ND	ND
NMOCD Reclamation Standards ³ (Surface to 4 ft bgs)					600	10	10	100	100	100	
NMOCD Remediation Standards ⁴ (Greater than Depths of 4 ft bgs)					20,000	10	10	2,500	2500	1,000	
<div>1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes</div> <div>2. TPH = Total petroleum hydrocarbons</div> <div>3. New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegetation (19.15.29.23), NMAC-D (Reclmation of Areas No Longer in Use) for Soils Extending to 4 ft. bgs</div> <div>4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N, 8/14/2018</div> <div>ND = Constituent was not detected above the indicated laboratory sample detection limit (SDL).</div> <div>NA = Not Analyzed</div> <div>Bold denotes concentrations above applicable laboratory SDLs.</div> <div>Bold and Highlighted values exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.</div> <div>In-situ = Sample is representative of material which remains in-place at the site.</div> <div>Excavated = Sample is representative of materials which was excavated and disposed of at a permitted disposal facility.</div>									Data Entry:	BSM	
									Reviewed By:	GS	
										AHW	AHW
										<div><div>Explore with us</div></div>	

JRU D12 Battery
Table 2 - Confirmation Results
Project Code: KH247052
NMOCD Reference No. nAPP2428835246

Sample ID	Sample Date	Sample Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX ¹ (mg/Kg)	Total TPH ² (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)	
					EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	
Confirmation Table												
CFS-1 (0.5-1)	6/19/2025	0.5-1	Soil	In-situ	10,800	<0.050	<0.300	<30.0	<10.0	<10.0	<10.0	
CWS-1 (0-1)	6/19/2025	0-1	Soil	In-situ	6,400	<0.050	<0.300	<30.0	<10.0	<10.0	<10.0	
CWS-2 (0-1)	6/19/2025	0-1	Soil	In-situ	6,400	<0.050	<0.300	<30.0	<10.0	<10.0	<10.0	
CWS-3 (0-1)	6/19/2025	0-1	Soil	In-situ	6,700	<0.050	<0.300	<30.0	<10.0	<10.0	<10.0	
CWS-4 (0-1)	6/19/2025	0-1	Soil	In-situ	6,800	<0.050	<0.300	<30.0	<10.0	<10.0	<10.0	
NMOCD Remediation Standards ³ (Surface to 4 ft bgs)					20,000	10	10	2,500	1,000		N/A	
1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes 2. TPH = Total petroleum hydrocarbons 3. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N, 8/14/2018 In-situ = Sample is representative of material which remains in-place at the site. Bold denotes concentrations above applicable laboratory SDLs. Bold and Highlighted values exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.									Data Entry:	Austin Worley		
									Reviewed By:	Zach Mueller		
									 Explore with us			

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July 3, 2024 | Terracon Project No. KH247052



APPENDIX C – C-141 SUMMARY SHEET

12/10/2024



NMOCD REPORT DETAILS

Name:	Colton Brown	
Email:	colton.s.brown@exxonmobil.com	
Phone:	(575)988-2390	

Initial Release C-141

Application Details

Incident ID:	nAPP2428835246	
District:	Artesia	
County:	Eddy	
Legal Description:	Unit: K Section: 25 Township: 22S Range: 30E	
Lat/Long:	N:32.36296 E: -103.83717	

Prerequisites

Incident Operator:	XTO ENERGY, INC	
Release Type:	Produced Water & Crude Oil Release	
Incident Status:	Investigation In Progress	

Release Information

Site Name:	JRU D12 Battery	
Date Discovered:	10/10/2024	(MM/DD/YYYY)
Surface Owner:	Federal	

Incident Details

Incident Type:	Produced Water Release	
Fire:	No	
Injuries:	No	
Watercourse:	No	
Public Health:	No	
Significant to Property or Environment:	No	
Detrimental to Freshwater:	No	

Nature and Volume of Release

Released Product:	Produced Water		
Is the concentration of chloride in the produced water > 10,000 mg/L:	Yes		
Cause:	Corrosion		
Source:	Other (Specify)		
Release:	8	(bbls/Mcf)	
Recovered:	5	(bbls/Mcf)	
Additional Details:			

Nature and Volume of Release

Is this a gas submission	No	
was this a major release (Y/N) >25bbls	No	
Justification of release volume calculation	Yes	(Attached Release Volume Calculation)

Initial Response

Release has been stopped	Yes	
Release area has been secured:	Yes	
Released material has been contained	Yes	
All free liquids have been recovered	Yes	
If actions have not been completed, why?		(Attached Explanation)

Remediation Action Plan C-141

Site Characterization

what is groundwater beneath effected area?	100ft - 500ft	
What method was used to determine depth?	NM OSE iWaters Database Search	
Did release impact GW or Surface Water?	No	
Continuously flowing watercourse	greater than 5 (mi.)	
Lakebed, sinkhole, or playa (measured from the high-water mark)	greater than 5 (mi.)	
An occupied permanent residence	greater than 5 (mi.)	
Spring or private domestic well	greater than 5 (mi.)	
Incorporated municipal boundaries	greater than 5 (mi.)	
Wetland	between 1 to 5 (mi.)	
Subsurface mine	greater than 5 (mi.)	
A (non-karst) unstable area	greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	Low	
A 100-year floodplain	greater than 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	No	

Remediation Plan

Have lateral and vertical extents of impacts been delineated, to the strictest standards?	N/A	
Was the release entirely contained within a lined containment?	N/A	
Soil Contamination Sampling (provide the highest observed value for each)(0.1)	Chloride	13,100 (mg/kg)
	Total TPH	Non-Detect (mg/kg)
	GRO+DRO	Non-Detect (mg/kg)
	BTEX	Non-Detect (mg/kg)
	Benzene	Non-Detect (mg/kg)
Date of Remediation Commencement	10/21/2024	
Date of Final Sampling or Liner Inspection	N/A	
Date of Remediation Completion	11/21/2024	
Estimated Surface Area (sq.ft) to be reclaimed	N/A	
Estimated Volume (cu. Yds) to be reclaimed	N/A	
Estimated Surface Area (sq.ft) to be remediated	160	
Estimated Volume (cu. Yds) to be remediated	3	

Excavation and off-site disposal (dig & haul)	N/A	(Ex-Situ)
Excavation and on-site remediation (land farm)	N/A	(Ex-Situ)
Soil Vapor Extraction	N/A	(In-Situ)
Chemical processing (soil shredding...etc)	N/A	(In-Situ)
Biological processing (microbes / fertilizer...etc)	N/A	(In-Situ)
Physical processing (soil washing, gypsum...etc)	N/A	(In-Situ)
Ground Water Abatement	N/A	
Other (Non-listed remedial process)	N/A	

Closure/Deferral Request C-141

Deferral Request (attachment with explanation)	N/A	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	N/A	
Total Surface Area (sq.ft) to be remediated	160	(Square Feet)
Total Volume (cu. Yds) to be remediated	3	(Cubic Yards)
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	N/A	
Estimated Surface Area (sq.ft) to be reclaimed	N/A	(Square Feet)
Estimated Volume (cu. Yds) to be reclaimed	N/A	(Cubic Yards)
Attached Summary of additional remediation Activities	N/A	

Requesting approval of Reclamation Completion	N/A
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JRU DI2 Battery | Eddy County, New Mexico
July 3, 2024 | Terracon Project No. KH247052



APPENDIX D – WELL INFORMATION



WELL PLUGGING
PLAN OF OPERATIONS



NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging. This form may be used to plug a single well, or if you are plugging multiple monitoring wells on the same site using the same plugging methodology.

Alert! Your well may be eligible to participate in the Aquifer Mapping Program (AMP)-NM Bureau of Geology geoinfo.nmt.edu/resources/water/cgmn/ if within an area of interest and meets the minimum construction requirements, such as there is still water in your well, and the well construction reflected in a well record and log is not compromised, contact AMP at 575-835-5038 or -6951, or by email nmbg-waterlevels@nmt.edu, prior to completing this prior form. Showing proof to the OSE that your well was accepted in this program, may delay the plugging of your well until a later date.

I. FILING FEE: There is no filing fee for this form.

II. GENERAL / WELL OWNERSHIP: ☐ Check here if proposing one plan for multiple monitoring wells on the same site and attaching WD-08m

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: BH01 C-4731-POPI
Name of well owner: XTO Energy Inc
Mailing address: 3104 E. Greene St. County: Eddy
City: Carlsbad State: New Mexico Zip code: 88220
Phone number: 575-200-0729 E-mail: garrett.green@exxonmobil.com

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: SCARBOROUGH DRILLING INC
New Mexico Well Driller License No.: 1188 Expiration Date: 3/31/24

IV. WELL INFORMATION: ☐ Check here if this plan describes method for plugging multiple monitoring wells on the same site and attach supplemental form WD-08m and skip to #2 in this section.

Note: A copy of the existing Well Record for the well (s) to be plugged should be attached to this plan.

1) GPS Well Location: Latitude: 31 deg, 21 min, 42.9696 sec
Longitude: 103 deg, 50 min, 16.728 sec, NAD 83

2) Reason(s) for plugging well(s):

Soil boring OSE DTI APR 5 2023 PM 1:03

3) Was well used for any type of monitoring program? No If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.

4) Does the well tap brackish, saline, or otherwise poor quality water? N/A If yes, provide additional detail, including analytical results and/or laboratory report(s):

5) Static water level: >100 feet below land surface / feet above land surface (circle one)

6) Depth of the well: 110 feet

- 7) Inside diameter of innermost casing: 2 inches.
- 8) Casing material: Temporary PVC SCH 40
- 9) The well was constructed with:

☐

 an open-hole production interval, state the open interval: N/A

☐

 a well screen or perforated pipe, state the screened interval(s): N/A
- 10) What annular interval surrounding the artesian casing of this well is cement-grouted? N/A
- 11) Was the well built with surface casing? no If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? If yes, please describe:
- 12) Has all pumping equipment and associated piping been removed from the well? N/A If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.

V. DESCRIPTION OF PLANNED WELL PLUGGING: ☐ If plugging method differs between multiple wells on same site, a separate form must be completed for each method.

Note: If this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie pipe, a detailed diagram of the well showing proposed final plugged configuration shall be attached, as well as any additional technical information, such as geophysical logs, that are necessary to adequately describe the proposal. Attach a copy of any signed OSE variance to this plugging plan.

Also, if this planned plugging plan requires a variance to 19.27.4 NMAC, attach a detailed variance request signed by the applicant.

- 1) Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well:

The temporary 2" well material will be removed. If no water is encountered, drill cuttings will be used to ten feet below ground surface (bgs) and plugged using hydrated bentonite. If groundwater is encountered the boring will be plugged, tremie from bottom to a slurry of Portland Type I/II Neat cement in lifts.
- 2) Will well head be cut-off below land surface after plugging? N/A

VI. PLUGGING AND SEALING MATERIALS:

Note: The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant. Attach a copy of the batch mix recipe from the cement company and/or product description for specialty cement mixes or any sealant that deviates from the list of OSE approved sealants.

- 1) For plugging intervals that employ cement grout, complete and attach Table A.
- 2) For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.
- 3) Theoretical volume of grout required to plug the well to land surface: 287
- 4) Type of Cement proposed: Type I/II
- 5) Proposed cement grout mix: <6.0 gallons of water per 94 pound sack of Portland cement.
- 6) Will the grout be: batch-mixed and delivered to the site

x

 mixed on site

OSE DIV APR 5 2023 PM1:08

- 7) Grout additives requested, and percent by dry weight relative to cement:

N/A
- 8) Additional notes and calculations:

N/A

VII. ADDITIONAL INFORMATION: List additional information below, or on separate sheet(s):

N/A

VIII. SIGNATURE:

I, Tacoma Morrissey, say that I have carefully read the foregoing Well Plugging Plan of Operations and any attachments, which are a part hereof; that I am familiar with the rules and regulations of the State Engineer pertaining to the plugging of wells and will comply with them, and that each and all of the statements in the Well Plugging Plan of Operations and attachments are true to the best of my knowledge and belief.

T Morrissey
Signature of Applicant

3/31/23
Date


IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

☒ Approved subject to the attached conditions.

☐ Not approved for the reasons provided on the attached letter.

Witness my hand and official seal this 10th day of April, 2023



Mike A. Nannan P.E., New Mexico State Engineer

By: K. Parekh
KASHYAP PAREKH
W.R.M.I

WD-08 Well Plugging Plan
Version: July 31, 2019
Page 3 of 5

OSC DJT APR 5 2023 PM 1:03

TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)	N/A	N/A	0
Bottom of proposed interval of grout placement (ft bgl)	N/A	N/A	100
Theoretical volume of grout required per interval (gallons)	N/A	N/A	287
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement	N/A	N/A	<6.0
Mixed on-site or batch-mixed and delivered?	N/A	N/A	onsite
Grout additive 1 requested	N/A	N/A	N/A
Additive 1 percent by dry weight relative to cement	N/A	N/A	N/A
Grout additive 2 requested	N/A	N/A	N/A
Additive 2 percent by dry weight relative to cement	N/A	N/A	N/A

USE 03 APR 5 2023 PM 1:03

TABLE B - For plugging intervals that will employ approved non-cement based sealant(s). Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)	N/A	N/A	0
Bottom of proposed sealant of grout placement (ft bgl)	N/A	N/A	10
Theoretical volume of sealant required per interval (gallons)	N/A	N/A	26
Proposed abandonment sealant (manufacturer and trade name)	N/A	N/A	Baroid Hole Plug

USE DTI APR 5 2023 PM1:03

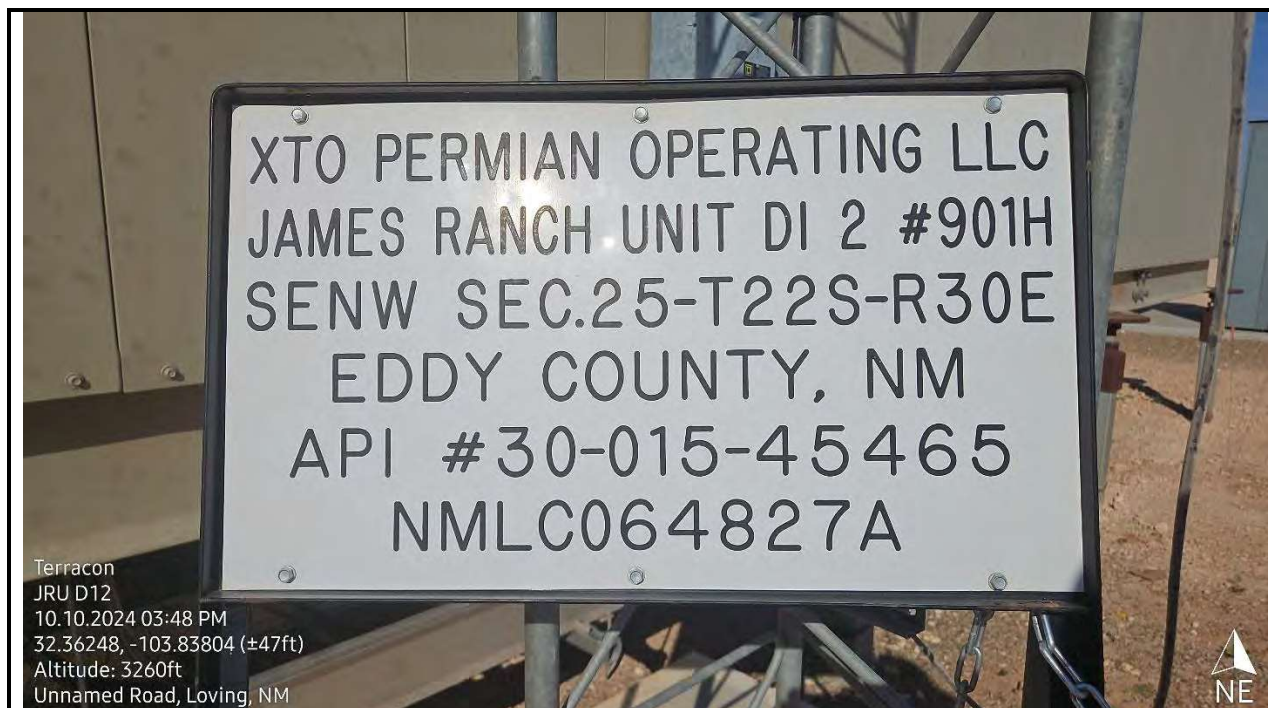
Closure Documentation
JRU DI2 Battery | Eddy County, New Mexico
December 13, 2024 | Terracon Project No. KH247052



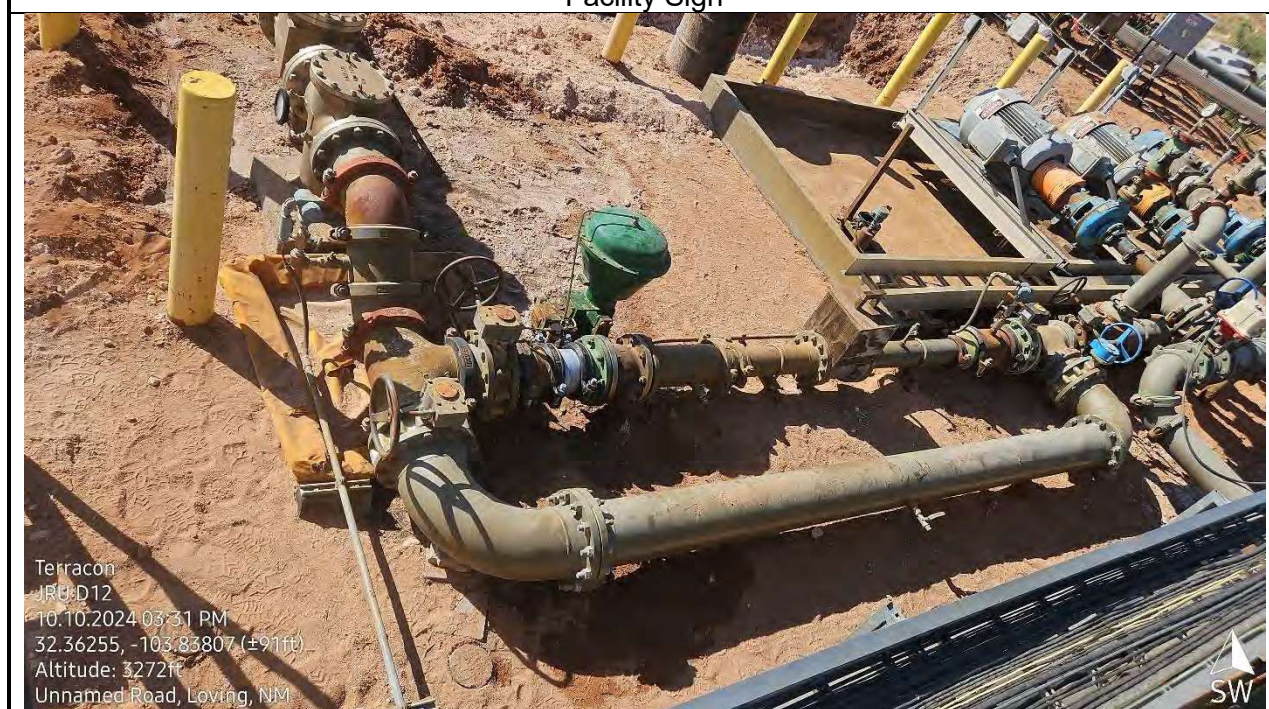
APPENDIX E – PHOTOGRAPHIC LOG



Photo Log



Facility Sign



View of the release.



Photo Log



View of the release.



View of the release.



Photo Log



View of the site post-remediation.



View of the site post-remediation.

Closure Documentation
JRU DI2 Battery | Eddy County, New Mexico
December 13, 2024 | Terracon Project No. KH247052



APPENDIX F – ANALYTICAL REPORT AND CHAIN OF CUSTODY



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

October 28, 2024

AUSTIN WORLEY

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: JRU D12 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/22/24 13:58.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 10/22/2024
 Reported: 10/28/2024
 Project Name: JRU D12 BATTERY
 Project Number: KH247052
 Project Location: XTO - EDDY CO NM

Sampling Date: 10/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: DSH - 01 1' (H246439-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2024	ND	1.71	85.5	2.00	11.4	
Toluene*	<0.050	0.050	10/23/2024	ND	1.76	87.8	2.00	11.6	
Ethylbenzene*	<0.050	0.050	10/23/2024	ND	1.80	90.0	2.00	12.8	
Total Xylenes*	<0.150	0.150	10/23/2024	ND	5.40	90.0	6.00	11.2	
Total BTX	<0.300	0.300	10/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/23/2024	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	229	114	200	2.10	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	206	103	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 10/22/2024
 Reported: 10/28/2024
 Project Name: JRU D12 BATTERY
 Project Number: KH247052
 Project Location: XTO - EDDY CO NM

Sampling Date: 10/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: DSH - 01 3' (H246439-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2024	ND	1.71	85.5	2.00	11.4		
Toluene*	<0.050	0.050	10/23/2024	ND	1.76	87.8	2.00	11.6		
Ethylbenzene*	<0.050	0.050	10/23/2024	ND	1.80	90.0	2.00	12.8		
Total Xylenes*	<0.150	0.150	10/23/2024	ND	5.40	90.0	6.00	11.2		
Total BTEX	<0.300	0.300	10/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/23/2024	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	229	114	200	2.10	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	206	103	200	5.25	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 10/22/2024
 Reported: 10/28/2024
 Project Name: JRU D12 BATTERY
 Project Number: KH247052
 Project Location: XTO - EDDY CO NM

Sampling Date: 10/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: DSH - 02 1' (H246439-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2024	ND	1.71	85.5	2.00	11.4		
Toluene*	<0.050	0.050	10/23/2024	ND	1.76	87.8	2.00	11.6		
Ethylbenzene*	<0.050	0.050	10/23/2024	ND	1.80	90.0	2.00	12.8		
Total Xylenes*	<0.150	0.150	10/23/2024	ND	5.40	90.0	6.00	11.2		
Total BTEX	<0.300	0.300	10/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/23/2024	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	217	108	200	1.51	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	204	102	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148

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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 10/22/2024
 Reported: 10/28/2024
 Project Name: JRU D12 BATTERY
 Project Number: KH247052
 Project Location: XTO - EDDY CO NM

Sampling Date: 10/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: DSH - 02 3' (H246439-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2024	ND	1.71	85.5	2.00	11.4		
Toluene*	<0.050	0.050	10/23/2024	ND	1.76	87.8	2.00	11.6		
Ethylbenzene*	<0.050	0.050	10/23/2024	ND	1.80	90.0	2.00	12.8		
Total Xylenes*	<0.150	0.150	10/23/2024	ND	5.40	90.0	6.00	11.2		
Total BTX	<0.300	0.300	10/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/23/2024	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	217	108	200	1.51	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	204	102	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 10/22/2024
 Reported: 10/28/2024
 Project Name: JRU D12 BATTERY
 Project Number: KH247052
 Project Location: XTO - EDDY CO NM

Sampling Date: 10/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: DSH - 03 1' (H246439-05)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2024	ND	2.03	101	2.00	2.67	
Toluene*	<0.050	0.050	10/23/2024	ND	2.00	99.9	2.00	2.02	
Ethylbenzene*	<0.050	0.050	10/23/2024	ND	2.03	102	2.00	1.15	
Total Xylenes*	<0.150	0.150	10/23/2024	ND	6.04	101	6.00	0.951	
Total BTX	<0.300	0.300	10/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/23/2024	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	217	108	200	1.51	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	204	102	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 10/22/2024
 Reported: 10/28/2024
 Project Name: JRU D12 BATTERY
 Project Number: KH247052
 Project Location: XTO - EDDY CO NM

Sampling Date: 10/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: DSH - 03 3' (H246439-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2024	ND	2.03	101	2.00	2.67		
Toluene*	<0.050	0.050	10/23/2024	ND	2.00	99.9	2.00	2.02		
Ethylbenzene*	<0.050	0.050	10/23/2024	ND	2.03	102	2.00	1.15		
Total Xylenes*	<0.150	0.150	10/23/2024	ND	6.04	101	6.00	0.951		
Total BTEx	<0.300	0.300	10/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/23/2024	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2024	ND	217	108	200	1.51	
DRO >C10-C28*	<10.0	10.0	10/25/2024	ND	204	102	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	10/25/2024	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 10/22/2024
 Reported: 10/28/2024
 Project Name: JRU D12 BATTERY
 Project Number: KH247052
 Project Location: XTO - EDDY CO NM

Sampling Date: 10/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: DSH - 04 1' (H246439-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2024	ND	2.03	101	2.00	2.67		
Toluene*	<0.050	0.050	10/23/2024	ND	2.00	99.9	2.00	2.02		
Ethylbenzene*	<0.050	0.050	10/23/2024	ND	2.03	102	2.00	1.15		
Total Xylenes*	<0.150	0.150	10/23/2024	ND	6.04	101	6.00	0.951		
Total BTEx	<0.300	0.300	10/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/23/2024	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	217	108	200	1.51	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	204	102	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					

Surrogate: 1-Chlorooctane 132 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 10/22/2024
 Reported: 10/28/2024
 Project Name: JRU D12 BATTERY
 Project Number: KH247052
 Project Location: XTO - EDDY CO NM

Sampling Date: 10/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: DSH - 04 3' (H246439-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2024	ND	2.03	101	2.00	2.67	
Toluene*	<0.050	0.050	10/23/2024	ND	2.00	99.9	2.00	2.02	
Ethylbenzene*	<0.050	0.050	10/23/2024	ND	2.03	102	2.00	1.15	
Total Xylenes*	<0.150	0.150	10/23/2024	ND	6.04	101	6.00	0.951	
Total BTEX	<0.300	0.300	10/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/23/2024	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	217	108	200	1.51	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	204	102	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					

Surrogate: 1-Chlorooctane 132 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 10/22/2024
 Reported: 10/28/2024
 Project Name: JRU D12 BATTERY
 Project Number: KH247052
 Project Location: XTO - EDDY CO NM

Sampling Date: 10/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: DSV - 01 0.5' (H246439-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2024	ND	2.03	101	2.00	2.67	
Toluene*	<0.050	0.050	10/23/2024	ND	2.00	99.9	2.00	2.02	
Ethylbenzene*	<0.050	0.050	10/23/2024	ND	2.03	102	2.00	1.15	
Total Xylenes*	<0.150	0.150	10/23/2024	ND	6.04	101	6.00	0.951	
Total BTEX	<0.300	0.300	10/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13100	16.0	10/23/2024	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	217	108	200	1.51	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	204	102	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
AUSTIN WORLEY
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received: 10/22/2024
Reported: 10/28/2024
Project Name: JRU D12 BATTERY
Project Number: KH247052
Project Location: XTO - EDDY CO NM

Sampling Date: 10/21/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: DSV - 01 4.5' (H246439-11)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2024	ND	2.03	101	2.00	2.67	
Toluene*	<0.050	0.050	10/23/2024	ND	2.00	99.9	2.00	2.02	
Ethylbenzene*	<0.050	0.050	10/23/2024	ND	2.03	102	2.00	1.15	
Total Xylenes*	<0.150	0.150	10/23/2024	ND	6.04	101	6.00	0.951	
Total BTX	<0.300	0.300	10/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8660	16.0	10/23/2024	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	217	108	200	1.51	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	204	102	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 10/22/2024
 Reported: 10/28/2024
 Project Name: JRU D12 BATTERY
 Project Number: KH247052
 Project Location: XTO - EDDY CO NM

Sampling Date: 10/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: DSV - 02 0.5' (H246439-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/23/2024	ND	2.03	101	2.00	2.67		
Toluene*	<0.050	0.050	10/23/2024	ND	2.00	99.9	2.00	2.02		
Ethylbenzene*	<0.050	0.050	10/23/2024	ND	2.03	102	2.00	1.15		
Total Xylenes*	<0.150	0.150	10/23/2024	ND	6.04	101	6.00	0.951		
Total BTEX	<0.300	0.300	10/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12800	16.0	10/23/2024	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	217	108	200	1.51	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	204	102	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 10/22/2024
 Reported: 10/28/2024
 Project Name: JRU D12 BATTERY
 Project Number: KH247052
 Project Location: XTO - EDDY CO NM

Sampling Date: 10/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: DSV - 02 2.5' (H246439-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/23/2024	ND	2.03	101	2.00	2.67	
Toluene*	<0.050	0.050	10/23/2024	ND	2.00	99.9	2.00	2.02	
Ethylbenzene*	<0.050	0.050	10/23/2024	ND	2.03	102	2.00	1.15	
Total Xylenes*	<0.150	0.150	10/23/2024	ND	6.04	101	6.00	0.951	
Total BTEX	<0.300	0.300	10/23/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4240	16.0	10/23/2024	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/24/2024	ND	217	108	200	1.51	
DRO >C10-C28*	<10.0	10.0	10/24/2024	ND	204	102	200	2.40	
EXT DRO >C28-C36	<10.0	10.0	10/24/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

pg 1/a

Company Name: Terracon

Project Manager: Austin Worley

Address: 4526 W. Pierce Street

City: Carlsbad

Phone #: 915-262-9701

Fax #:

Project #:

Project Owner: XTO Energy

Project Name: JRU D12 Battery

Project Location: Eddy

Sample Name: Gus Sanchez

FOR LAB USE ONLY

BILL TO:

P.O. #:

Company: XTO Energy

Attn: Colton Brown

Address: 3104 E Greene St.

City: Carlsbad

State: NM, 88220

Phone #:

Fax #:

ANALYS REQUEST

Lab I.D.	Sample I.D.	Depth		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		DATE	TIME	ANALYS REQUEST			
		Start	End			GROUNDWAT	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL			Chloride (EPA Method4500)	TPH Extended 8015	BTEX (EPA Method 8021B)	Hold
1244439		DSH-01	1	1	G	1								10/21/2024	14:14	X	X	X	
		DSH-01	3	3	G	1								10/21/2024	14:22	X	X	X	
		DSH-02	1	1	G	1								10/21/2024	15:58	X	X	X	
		DSH-02	3	3	G	1								10/21/2024	16:02	X	X	X	
		DSH-03	1	1	G	1								10/21/2024	14:02	X	X	X	
		DSH-03	3	3	G	1								10/21/2024	14:06	X	X	X	
		DSH-04	1	1	G	1								10/21/2024	11:42	X	X	X	
		DSH-04	3	3	G	1								10/21/2024	11:51	X	X	X	

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Relinquished By:

Date:

Received By:

[Signature]

Relinquished By:

Date:

Received By:

Time:

Time:

Delivered By: (Circle One)

Sampler - UPS

- Bus

- Other:

Observed Temp. °C

Corrected Temp. °C

Cool Intact

Yes ☐ No ☐

Sample Condition

Intact

Yes ☐ No ☐

CHECKED BY: (Initials)

Turnaround Time: Standard

Rush ☒

Bacteria (only) Sample Condition

Cool ☐ Observed Temp. °C

Yes ☐ No ☐

Corrected Temp. °C

Thermometer ID #TTS140

Correction Factor +0.5°C

Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinalabsnm.com

REMARKS: Cost Code: 1082251001

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

joeph.guesnier@terracon.com; travis.caspy@terracon.com;

chuck.smith@terracon.com; beckysue.miller@terracon.com

gus.sanchez@terracon.com austin.worley@terracon.com

FORM-008 R 3.2 10/07/21



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Terracon										P.O. #:										BILL TO:										ANALYS REQUEST																																																																															
Project Manager: Austin Worley										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
Address: 4526 W. Pierce Street										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
Phone #: 915-262-9701										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
Project #: KH247052										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
Project Name: JRU D12 Battery										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
Project Location: Eddy										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
Sample Name: Gus Sanchez										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
FOR LAB USE ONLY										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
Lab I.D. Sample I.D.										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
9										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
10										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
11										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
12										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
13										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
DSV-01										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
DSV-01										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
DSV-01										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
DSV-02										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
DSV-02										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
DSV-02										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
DSV-02										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
DSV-02										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
DSV-02										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
DSV-02										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown										Address: 3104 E Greene St.										City: Carlsbad										State: NM, 88220										Phone #:										Fax #:									
DSV-02										City: Carlsbad										State: NM										Zip: 88220										Company: XTO Energy										Attn: Colton Brown																																																											

2/2 pg



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 03, 2024

AUSTIN WORLEY

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: JRU D12 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/25/24 12:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 11/25/2024
 Reported: 12/03/2024
 Project Name: JRU D12 BATTERY
 Project Number: KH247052
 Project Location: XTO - EDDY CO NM

Sampling Date: 11/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DSV - 03 5' (H247212-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2024	ND	2.26	113	2.00	1.94	
Toluene*	<0.050	0.050	11/28/2024	ND	2.33	117	2.00	3.21	
Ethylbenzene*	<0.050	0.050	11/28/2024	ND	2.28	114	2.00	3.93	
Total Xylenes*	<0.150	0.150	11/28/2024	ND	7.11	118	6.00	3.40	
Total BTX	<0.300	0.300	11/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/27/2024	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2024	ND	212	106	200	1.46	
DRO >C10-C28*	<10.0	10.0	11/27/2024	ND	188	94.2	200	6.85	
EXT DRO >C28-C36	<10.0	10.0	11/27/2024	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
 FAX (575) 393-2476
 (575) 393-2326

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of 4



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 26, 2025

AUSTIN WORLEY

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: JRU DI2 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/20/25 8:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 06/20/2025
 Reported: 06/26/2025
 Project Name: JRU DI2 BATTERY
 Project Number: KH247052
 Project Location: XTO - EDDY CO NM

Sampling Date: 06/19/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CFS - 1 (0.5-1') (H253693-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2025	ND	1.90	95.1	2.00	0.853	
Toluene*	<0.050	0.050	06/24/2025	ND	2.05	102	2.00	3.07	
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.13	107	2.00	2.74	
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.48	108	6.00	0.796	
Total BTEX	<0.300	0.300	06/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10800	16.0	06/23/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2025	ND	235	117	200	13.3	
DRO >C10-C28*	<10.0	10.0	06/23/2025	ND	219	109	200	16.6	
EXT DRO >C28-C36	<10.0	10.0	06/23/2025	ND					

Surrogate: 1-Chlorooctane 125 % 44.4-145

Surrogate: 1-Chlorooctadecane 124 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 06/20/2025
 Reported: 06/26/2025
 Project Name: JRU DI2 BATTERY
 Project Number: KH247052
 Project Location: XTO - EDDY CO NM

Sampling Date: 06/19/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CWS - 1 (0-1') (H253693-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/24/2025	ND	2.04	102	2.00	3.80		
Toluene*	<0.050	0.050	06/24/2025	ND	2.17	109	2.00	1.13		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.24	112	2.00	1.15	QM-07	
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.78	113	6.00	1.13	QM-07	
Total BTEX	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6400	16.0	06/23/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2025	ND	235	117	200	13.3	
DRO >C10-C28*	<10.0	10.0	06/23/2025	ND	219	109	200	16.6	
EXT DRO >C28-C36	<10.0	10.0	06/23/2025	ND					

Surrogate: 1-Chlorooctane 123 % 44.4-145

Surrogate: 1-Chlorooctadecane 121 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 06/20/2025
 Reported: 06/26/2025
 Project Name: JRU DI2 BATTERY
 Project Number: KH247052
 Project Location: XTO - EDDY CO NM

Sampling Date: 06/19/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CWS - 2 (0-1') (H253693-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/24/2025	ND	2.04	102	2.00	3.80		
Toluene*	<0.050	0.050	06/24/2025	ND	2.17	109	2.00	1.13		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.24	112	2.00	1.15		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.78	113	6.00	1.13		
Total BTX	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6400	16.0	06/23/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2025	ND	235	117	200	13.3	
DRO >C10-C28*	<10.0	10.0	06/23/2025	ND	219	109	200	16.6	
EXT DRO >C28-C36	<10.0	10.0	06/23/2025	ND					

Surrogate: 1-Chlorooctane 125 % 44.4-145

Surrogate: 1-Chlorooctadecane 123 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 06/20/2025
 Reported: 06/26/2025
 Project Name: JRU DI2 BATTERY
 Project Number: KH247052
 Project Location: XTO - EDDY CO NM

Sampling Date: 06/19/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CWS - 3 (0-1') (H253693-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/24/2025	ND	2.04	102	2.00	3.80		
Toluene*	<0.050	0.050	06/24/2025	ND	2.17	109	2.00	1.13		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.24	112	2.00	1.15		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.78	113	6.00	1.13		
Total BTEX	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6700	16.0	06/23/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2025	ND	235	117	200	13.3	
DRO >C10-C28*	<10.0	10.0	06/23/2025	ND	219	109	200	16.6	
EXT DRO >C28-C36	<10.0	10.0	06/23/2025	ND					

Surrogate: 1-Chlorooctane 122 % 44.4-145

Surrogate: 1-Chlorooctadecane 121 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TERRACON CONSULTANTS
 AUSTIN WORLEY
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 06/20/2025
 Reported: 06/26/2025
 Project Name: JRU DI2 BATTERY
 Project Number: KH247052
 Project Location: XTO - EDDY CO NM

Sampling Date: 06/19/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shari Cisneros

Sample ID: CWS - 4 (0-1') (H253693-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/24/2025	ND	2.04	102	2.00	3.80		
Toluene*	<0.050	0.050	06/24/2025	ND	2.17	109	2.00	1.13		
Ethylbenzene*	<0.050	0.050	06/24/2025	ND	2.24	112	2.00	1.15		
Total Xylenes*	<0.150	0.150	06/24/2025	ND	6.78	113	6.00	1.13		
Total BTX	<0.300	0.300	06/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6800	16.0	06/23/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/23/2025	ND	235	117	200	13.3	
DRO >C10-C28*	<10.0	10.0	06/23/2025	ND	219	109	200	16.6	
EXT DRO >C28-C36	<10.0	10.0	06/23/2025	ND					

Surrogate: 1-Chlorooctane 131 % 44.4-145

Surrogate: 1-Chlorooctadecane 129 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



APPENDIX G – TERRACON STANDARD OF CARE, LIMITATION, AND RELIANCE

Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time. Terracon makes no warranties, either express or implied, regarding the findings, conclusions, or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These services were performed in accordance with the scope of work agreed with you, XTO Energy, as reflected in our Master Services Agreement.

Additional Scope Limitations

The development of this Closure Report is based on information provided by XTO Energy and Terracon's remediation and construction services line. Such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, nondetectable, or not present during these services. We cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those by information provided by XTO Energy. The data, interpretations, findings, and recommendations are based solely upon reformation executed within the scope of these services.

Reliance

This report has been prepared for the exclusive use of XTO Energy, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of XTO Energy and Terracon. Any unauthorized distribution or reuse is at the sole risk of XTO Energy. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the proposal and XTO Energy and Terracon's Master Services Agreement. The limitation of liability defined in the terms and conditions is the aggregate limit of Terracon's liability to XTO Energy and all relying parties unless otherwise agreed in writing.

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

QUESTIONS

Action 497120

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 497120
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2428835246
Incident Name	NAPP2428835246 JRU DI2 BATTERY @ FAPP2126355247
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Approved
Incident Facility	[fAPP2126355247] JRU DI2 BATTERY

Location of Release Source	
Please answer all the questions in this group.	
Site Name	JRU DI2 BATTERY
Date Release Discovered	10/10/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbbls) Details	Not answered.
Produced Water Released (bbbls) Details	Cause: Corrosion Other (Specify) Produced Water Released: 8 BBL Recovered: 5 BBL Lost: 3 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Vic clamp on a riser

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QUESTIONS, Page 2

Action 497120

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 10/25/2024
--	--

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QUESTIONS, Page 3

Action 497120

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 497120
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	13100
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	10/17/2024
On what date will (or did) the final sampling or liner inspection occur	06/19/2025
On what date will (or was) the remediation complete(d)	12/21/2024
What is the estimated surface area (in square feet) that will be reclaimed	160
What is the estimated volume (in cubic yards) that will be reclaimed	3
What is the estimated surface area (in square feet) that will be remediated	160
What is the estimated volume (in cubic yards) that will be remediated	3
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 497120

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 497120
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	FEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 08/19/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 497120

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 497120
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 497120

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 497120
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	475665
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/19/2025
What was the (estimated) number of samples that were to be gathered	2
What was the sampling surface area in square feet	165

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	160
What was the total volume (cubic yards) remediated	3
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	160
What was the total volume (in cubic yards) reclaimed	3
Summarize any additional remediation activities not included by answers (above)	Remedial activities were conducted at the site from October 21, 2024, through November 21, 2024. An area of approximately 160 square feet was affected by the release. A total of 13 delineation samples from 7 locations were collected and submitted for analysis of BTEX, Chlorides, and TPH. Delineation sample results for BTEX and TPH from the laboratory were each reported as not detected above the laboratory sample detection limits. The sample results for Chloride were below the applicable NMOCDC closure criteria referenced above of 20,000 mg/kg, with the highest result being 13,100 mg/kg from DSV-01 (0.5'). A Delineation Sample Map depicting the sample locations, analytical results, and the excavation extent are included in Appendix A, Exhibit 3. Delineation sample results are included in Appendix B, Table 1. Areas exhibiting visual impact were excavated to a depth of between 0.0 feet to 0.5 feet bgs. A total of approximately 3 cubic yards (cu. yds.) of surficial stained soils were excavated during remedial activities. This material was disposed of at Halfway landfill. Photographs of the project site are included in Appendix C. The analytical reports and Chain of Custody (COC) are included in Appendix D.

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Robert Woodall Title: Environmental Analyst Email: robert.d.woodall@exxonmobil.com Date: 08/19/2025
--	--

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Action 497120

QUESTIONS (continued)

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 497120

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 497120
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	Accepted for the record. Duplicate remediation closure report previously submitted under App ID 496251 and approved on 9/3/2025.	9/5/2025