Deferral Request Report

(Revised)

Marwari 28 CTB 1

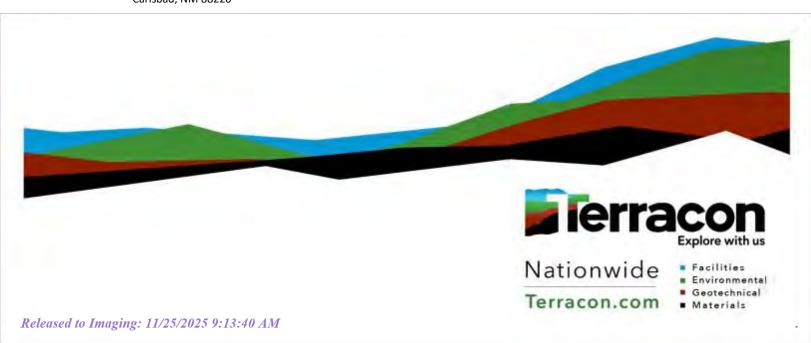
NMOCD I.D. # nAPP2500723709

Lea County, New Mexico

October 23, 2025 | Project No. AR257035

Prepared for:

Devon Energy Production Company, LP 5315 Buena Vista Dr. Carlsbad, NM 88220





5847 50th Street Lubbock, TX 79424 P (806) 300-0140 F (806) 797-0947 **Terracon.com**

October 23, 2025

Devon Energy Production Company, LP 5315 Buena Vista Dr. Carlsbad, NM 88220

Attn: New Mexico Oil Conservation Division

1220 South St. Francis Drive Santa Fe, New Mexico, NM 87505

RE: Revised Deferral Request Report

Devon Energy Production Company, LP

Marwari 28 CTB 1

Unit D, Section 28, Township 25 South, Range 32 East

32.105871°, -103.68769° Lea County, New Mexico

NMOCD Incident No. nAPP2500723709

Terracon Project No. AR257035

Terracon Consultants, Inc. (Terracon) is pleased to submit this Revised Deferral Request Report on behalf of Devon Energy Production Company, LP (Devon) for the site referenced above. The report is prepared in accordance with the New Mexico Oil Conservation Division (NMOCD) regulations governing Oil and Gas Releases (19.15.29 NMAC). A brief chronology of project history is included below.

Chronology of Activities

- January 6, 2025: A release of produced water was reported by Devon at the Marwari 28 CTB
- **February 7, 2025**: Terracon conducted an investigation to define the horizontal and vertical extent of the release.
- **February 17, 2025**: Terracon collected closure samples at the site.
- **March 3, 2025**: Devon requested a 90-day extension and the NMOCD granted an extension to July 2, 2025.
- October 2, 2025: The Deferral Request Report was submitted by Devon to the NMOCD.
- **October 10, 2025**: Via email the NMOCD denied the deferral request report for the following reasons.

Summary of NMOCD Denial Items and Responses

Item 1 — Distance to Significant Watercourse

- NMOCD noted the C-141 reported "Greater than 5 (mi.)" to the nearest significant
 watercourse while USGS topographic data and NWI indicate a significant, riverine
 feature approximately 685 ft west of the release.
- Response: The C-141 form Site Characterization section has been revised to reflect the corrected distance of between 500 and 1000 ft to the significant watercourse/wetland.



Item 2 — Distance to 100-Year Floodplain

- NMOCD noted the C-141 reported "Greater than 5 (mi.)" to the nearest 100-year floodplain while FEMA mapping indicates a distance of 2.6 miles west.
- Response: The C-141 form Site Characterization section has been revised to reflect the corrected distance of between 1 and 5 miles.

Item 3 — Confirmation Sample Type and Chain of Custody

- NMOCD noted confirmation samples were not collected as five-point composite samples, the Exhibit labeling marked samples as "Grab," and the Chain of Custody (COC) fields were left unmarked.
- Response: Terracon returned to the site on October 17, 2025, and collected two five-point composite confirmation soil samples following the five-point composite method required by 19.15.29.12.D.(1) NMAC. The COC for those samples has been completed and is included in the revised report appendices. Details of the sample locations, depths, and chain-of-custody are provided in Section 5 below.

Item 4 — Report Title Consistency

- NMOCD noted the report is inconsistently titled both "Deferral Request" and "Closure Report."
- Response: Document title and internal references have been standardized to Revised Deferral Request Report throughout; where closure information is summarized, it is labeled as "Remediation and Confirmation Sampling Summary" to avoid implying final closure. Any language implying completed closure has been revised for consistency.

October 17, 2025, in response to Item 3 of the NMOCD Denial Response, Terracon returned to the site and collected two five-point composite confirmation soil samples. The results are discussed below in Section 5.

We believe the work described in the attached revised deferral request report addresses the NMOCD denial reasons and completes NMAC 19.15.29.12.C (2) requirements for the site, and we respectfully request NMOCD consider deferral of the remediation/reclamation of incident # nAPP2500723709 at time of abandonment (TOA).

Terracon appreciates this opportunity to provide environmental services to Devon Energy Production Company, LP. Should you have any questions or require additional information, please do not hesitate to contact our office.

Sincerely, **Terracon**

Charles F. Smith Senior Project Manager John Grams, PG (TX) Senior Geologist



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Exhibit 2 – Site Location Map

Exhibit 3 - NMOSE Pod Location Map

Exhibit 4 - Regulatory Criteria Map

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Exhibit 7 - Confirmation Sample Location Map

TABLES & Attachments

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Table 2 - Confirmation Sample Results

Attachment 1 - NMOSE Well Log Report

APPENDICES

Appendix A - Photo Log

Appendix B – Laboratory Analytical Reports and Chain of Custody

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1.0 Site Information

The following table provides detailed information regarding the Remediation information for the on-pad produced water and crude oil release at the Marwari 28 CTB 1 site in Lea County, New Mexico.

Required Information	Site and Release informa	Site and Release information							
Responsible Party:	The site is operated by Devon OGRID #: 6137	Energy Production Company, LP.							
Local Contact:	Contact: Mr. Jim Raley	P: (575) 689-7597 E: <u>jim.raley@dvn.com</u>							
Site Name API #	Marwari 28 CTB 1								
Facility Description:	Marwari 28 CTB 1, Incident No. nAPP2500723709 is a well location located in Lea County, New Mexico. It is an area located within Unit D, Section 28, Township 25 South, Range 32 East, approximately 24 miles southeast of Malaga, New Mexico. The area around the site is predominantly undeveloped native Federal-owned pastureland. A Topographic Map and Site location Map are included in Exhibit 1, and Exhibit 2, respectively.								
Lease #									
Lessee:	Devon Energy Production Com	pany, LP							
NMOCD Incidents:	Produced water and crude oil scrubber drain.	release from a loose fitting on a							
Type of Discharge:	Produced Water & Crude Oil /	Incident ID No: nAPP2500723709							
Quantity Spilled:	Total Fluids: 6.0 bbls	Volume recovered: 5 bbls							
Site Characteristics:	Relatively flat with drainage for very gently southerly.	illowing the natural ground surface; sloping							
Immediate Corrective Actions:	The Initial C-141 Form states "Fitting on scrubber drain loosened and allowed fluids to be released partially to the skid and pad surface. Approx 1-bbl of fluids impacted the soil around the base of the skid. Remaining fluids were caught in skid containment and recovered".								

2.0 General Site Characteristics

Physical	Site Ranking Characteristics							
Characteristic								
Groundwater	Boring Information: (C-4879-POD1)							
NMOSE Pod Location	Depth of Well: 55 ft. bgs Depth to Water: >50 ft. bgs							
Map (Exhibit 3)	Distance to Well: 0.07 miles to the southeast on pad							
	<u>Date Drilled</u> : October 7, 2024. NMOSE Well Log Report is included as							
	Appendix B, Attachment 1.							



Physical	Site Ranking Characteristics
Characteristic	
	<u>Groundwater Quality</u> : Groundwater in the area of the site is predominately used for agriculture, industrial, or domestic use.
Surface Water Regulatory Criteria Map (Exhibit 4)	The Pecos River is 18.2 miles southwest. There are no lakebeds, sink holes or playa lakes identified within 200 feet. There are no wetlands identified within 300 feet.
100-Year Flood Plain	This site is located outside of the 100-year flood plain.
Karst Characterization	A review of the geospatial data obtained from the Bureau of Land Management (BLM) Carlsbad Field Office website indicated that the site is within an area of low risk for Karst formations, as indicated in the Cave
Cave Karst Public UCP Map – (Exhibit 5)	Karst Public UCP Map (Exhibit 5).

3.0 Regulatory Framework and Response Action Levels

Oil and gas exploration and production facilities in New Mexico are generally regulated by the New Mexico Oil Conservation Division (NMOCD). Standards governing the remediation and reclamation of sites impacted by releases from oil and gas exploration and production activities are contained in 19.15.29 NMAC.

Closure Criteria for Soils Impacted by a Release

The below remediation limits for BTEX (includes benzene, toluene, ethylbenzene, and xylenes), and benzene, chlorides and Total Petroleum Hydrocarbons (TPH) (GRO+DRO+MRO), are defined within New Mexico Administration Code (NMAC) 19.15.29.12 and in the NMOCD guidance document "Procedures for Implementation of the Spill Rule" dated September 6, 2019.:

Parameters	Closure Criteria	Analytical Method
Total Benzene, Toluene, Ethylbenzene and Xylenes (Total BTEX)	50 mg/kg	EPA Method 8021B
Benzene	10 mg/kg	EPA Method 8021B
Chlorides	10,000 mg/kg	EPA Method 300
Total Petroleum Hydrocarbons (TPH) GRO, DRO and MRO	2,500 mg/kg	EPA Method 8015M
TPH (GRO+DRO)	1,000 mg/kg	EPA Method 8015M

4.0 Site Assessment/Delineation

Initial site assessment activities were conducted on February 7, 2025, to evaluate the extent of the impact resulting from the release. The area affected was identified through visual observation and estimated to be approximately 60 square feet. A total of 9 delineation soil samples were collected from



6 locations. Six vertical delineation samples were collected from sample locations DSV-01 and DSV-02 and four horizontal delineation samples were collected from sample locations DSH-01 through DSH-04. The soil samples were collected using a hand auger from depths ranging from 0.5-feet bgs to 2.5-feet bgs. The soil samples were submitted for analysis of BTEX, Chloride and TPH. BTEX, and TPH in the soil samples DSH-01 through DSH-04 were below the laboratory detection limits, and Chloride was detected below the NMOCD Closure Criteria at concentrations ranging from 48 milligrams per kilogram (mg/kg) in soil sample DSH-02 to 432 mg/kg in soil sample DSH-03.

Due to limited accessibility to the release area within the skid beneath the horizontal tank, assessment of vertical extent of impact was conducted using a hand auger to advance two soil borings at an approximate 45-degree angle to a depth of 2.5 feet bgs to reach beneath the skid.

Soil samples were collected at 0.5 feet, 1.0 feet and 2.5 feet bgs. Sample results from DSV-01 indicate Chloride was not detected above NMOCD Table 1 Closure Criteria in any of the soil samples. BTEX was detected in soil DSV-01 at 62.2 mg/kg at 0.5 feet bgs, decreasing to non-detect at 2.5 feet bgs. TPH (GRO + DRO + ORO) was detected at 5,620 mg/kg at 0.5 feet bgs, decreasing to non-detect at 2.5 feet bgs. Sample results from DSV-02 indicate BTEX was not detected above the laboratory detection limits and TPH was not detected above NMOCD Closure Criteria in any of the soil samples. Chloride was detected at 46,000 mg/kg at 0.5 ft, decreasing to 448 mg/kg at 2.5 ft. The area beneath the tank that exceeds NMOCD standards within the skid is estimated at 48 square feet. A Delineation Sample Map depicting the delineation sample locations and analytical results is included in Exhibit 7. Delineation sample results are provided in Table 1.

The delineation sampling shows that soil impacts above closure criteria are limited to the upper 1 foot of soil in an area directly beneath the skid (DSV-01 and DSV-02). The delineation samples collected outside the area of the skid (DSH-01, DSH-02, DSH-03, and DSH-04) reported results below the applicable closure criteria (Exhibit 6). Thus, the vertical and horizontal extent of the release has been delineated.

5.0 Remediation and Confirmation Sampling Summary

In compliance with NMOCD 48-hour sample notification requirement, Devon submitted 48-hour sample notification. In compliance with NMOCD remediation standard 19.15.29.12.D.(1), five-point confirmation soil samples were collected outside of the footprint of the tank foundation skid. On October 17, 2025, a total of two composite soil samples CS-1 (0.0-0.5 ft) and CS-2 (0.0-0.5 ft) bgs were collected and submitted for analysis of BTEX, Chloride and TPH. BTEX, Chloride and TPH concentrations were either below the laboratory detection limits or below NMOCD Closure Criteria. The material remaining in place outside the tank foundation does not exceed NMOCD Closure Criteria. A Confirmation Sample Map depicting the confirmation sample locations and analytical results is included in Exhibit 7. Photographs of the project site are included in Appendix A. Confirmation sample results are provided in Table 2. The laboratory analytical reports along with the chain of custody are provided in Appendix B. Terracon's Standard of Care, Limitations and Reliance is included as Appendix C.

6.0 Conclusions

Terracon, on behalf of Devon Energy Production Company, LP has completed an assessment of the impacted area beneath the tank at the Marwari 28 CTB 1 location. The delineation confirms that the affected area exceeding the NMOCD Closure Criteria is fully contained within the footprint of the tank



foundation skid and is limited to the upper one foot of soil. The impacted zone measures approximately 48 square feet to a depth of 1.0 feet below ground surface (bgs), totaling an estimated 1.77 cubic yards of affected soil.

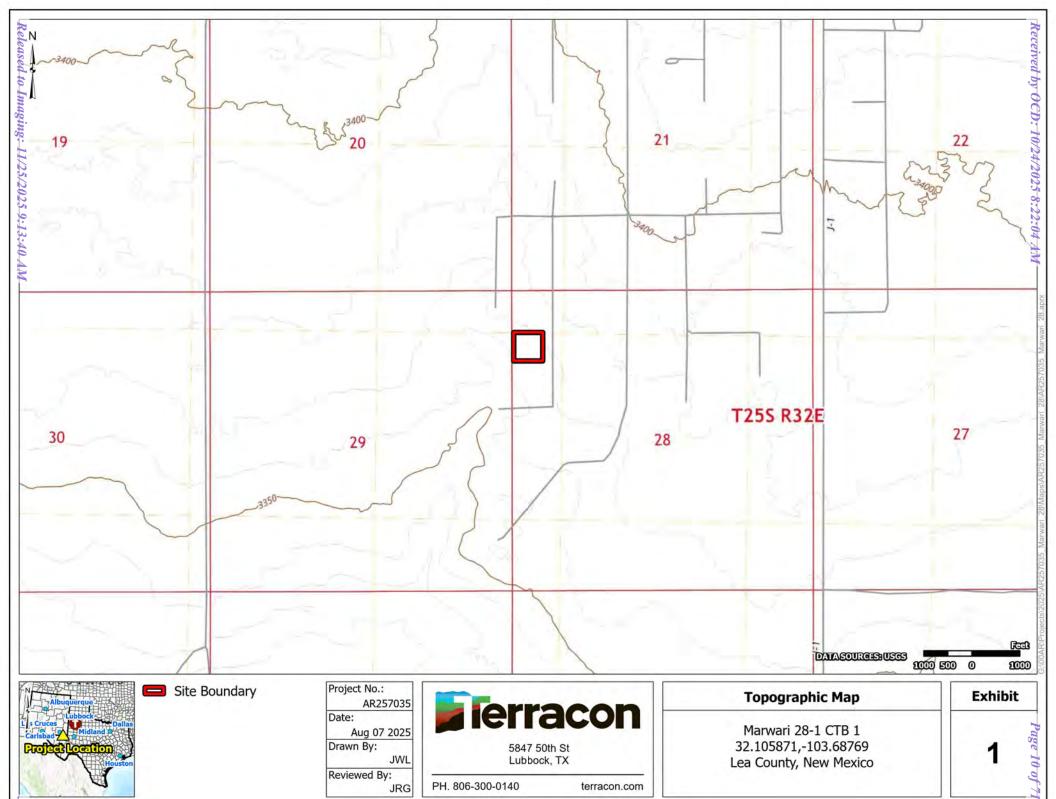
Groundwater in the area is located at a depth greater than 50 feet bgs. Based on current data, there is no indication of impact to groundwater, and the potential for such impact is considered negligible.

Due to restricted access beneath the tank and the associated risk of compromising the structural integrity of the foundation, active remediation of the impacted soil is not feasible at this time. Therefore, Devon Energy respectfully requests a deferral of incident nAPP2500723709.

Devon remains committed to full remediation of the impacted materials in accordance with applicable NMAC state statutes once the pipelines, tank battery vessels, and associated equipment are decommissioned and access is safely available.

EXHIBITS

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Exhibit 3 – NMOSE Pod Location Map
Exhibit 4 – Regulatory Criteria Map
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Exhibit 6 – Delineation Sample Location Map
Exhibit 7 – Confirmation Sample Location Map







Site Boundary

AR257035

Date:

Aug 07 2025 Drawn By:

JWL

Reviewed By: JRG



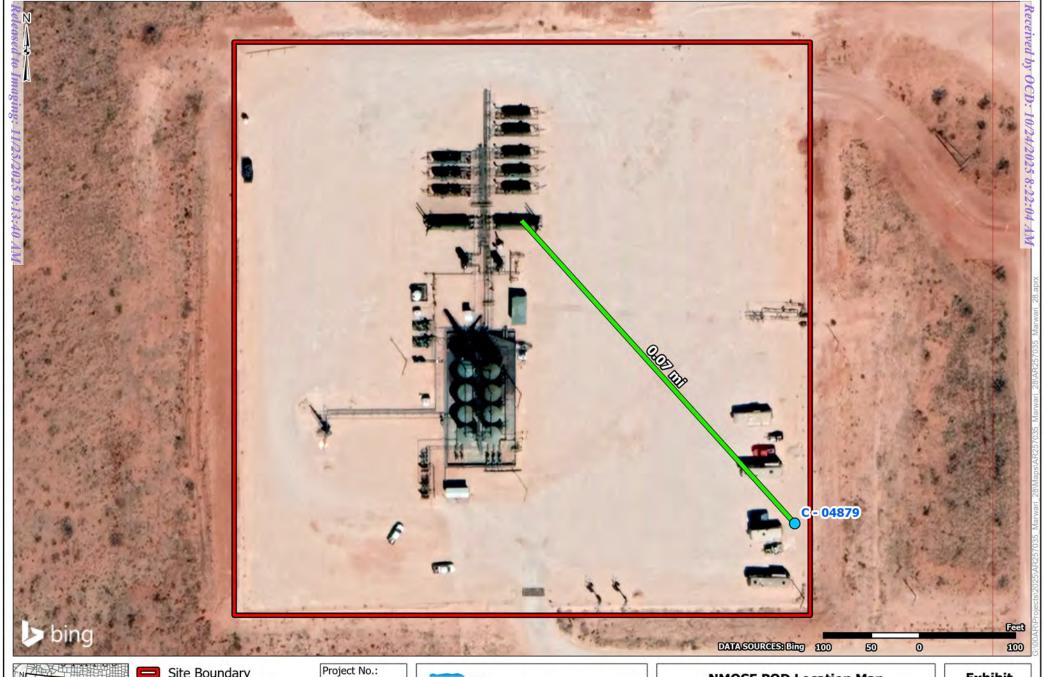
5847 50th St Lubbock, TX

PH. 806-300-0140

terracon.com

Site Location Map

Marwari 28-1 CTB 1 32.105871,-103.68769 Lea County, New Mexico **Exhibit**





Site Boundary

NMOSE POD Location

AR257035 Date:

Aug 07 2025 Drawn By:

JWL

Reviewed By: JRG



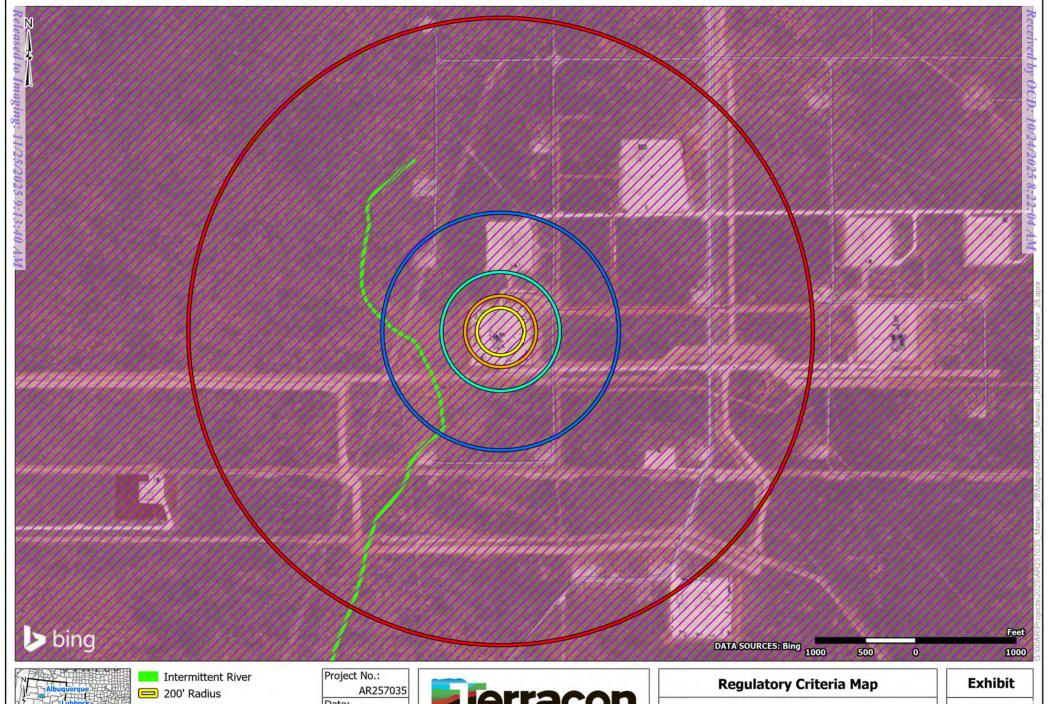
5847 50th St Lubbock, TX

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NMOSE POD Location Map

Marwari 28-1 CTB 1 32.105871,-103.68769 Lea County, New Mexico **Exhibit**





0.5-mi Radius

Flood Zone "D"

Date:

Aug 07 2025 Drawn By:

JWL

Reviewed By: JRG

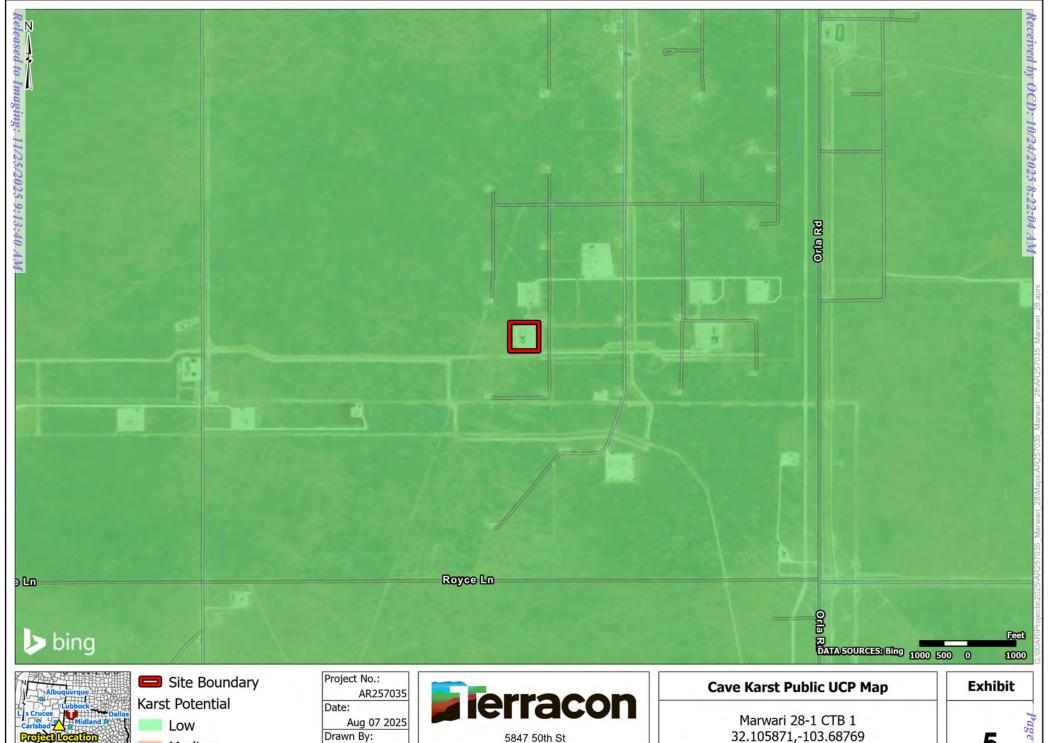


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Marwari 28-1 CTB 1 32.105871,-103.68769 Lea County, New Mexico





JWL Reviewed By: JRG



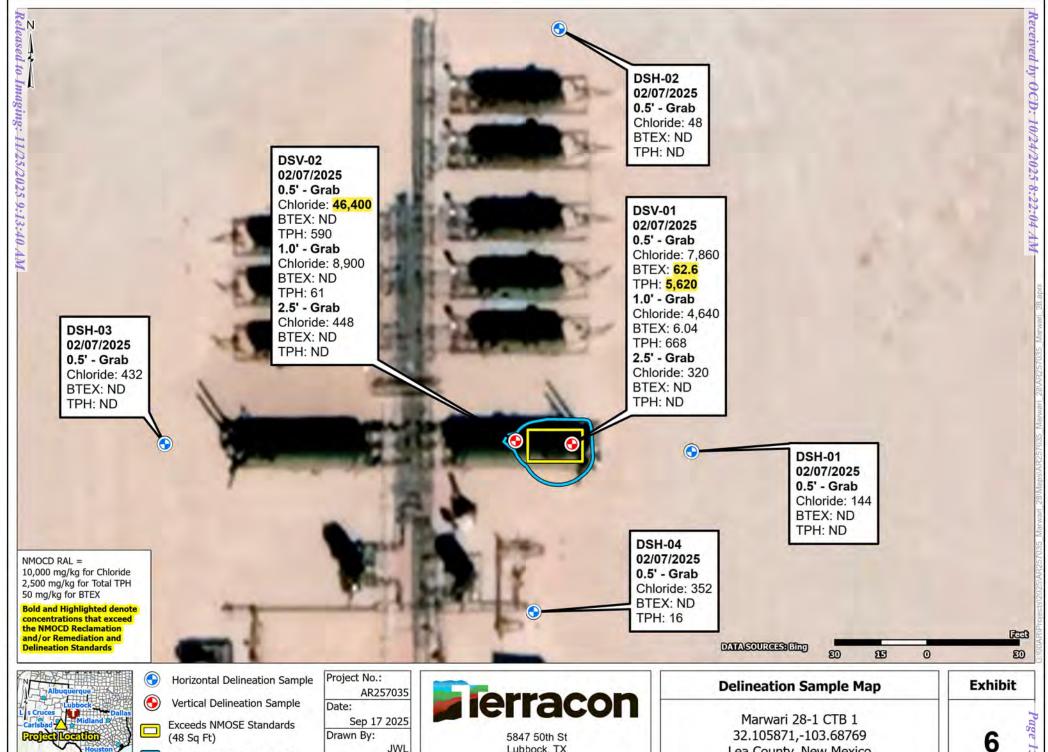
5847 50th St Lubbock, TX

PH. 806-300-0140

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32.105871,-103.68769 Lea County, New Mexico

5



Inferred Release (60 Sq Ft)

JWL

Reviewed By: **JRG** Lubbock, TX

PH. 806-300-0140

terracon.com

Lea County, New Mexico





JWL

Reviewed By: **JRG**



5847 50th St Lubbock, TX

PH. 806-300-0140 terracon.com

32.105871,-103.68769 Lea County, New Mexico

TABLES & ATTACHMENTS

Table 1 – Delineation Sample Results
Table 2 – Confirmation Sample Results
Attachment 1 – NMOSE Well Log Report

Table 1

Soil Analytical Results Summary - Release Assessment Terracon Project Number: AR257035 - Marwari 28 CTB-1

				Terraco	n Project Nun	nber: AR2570	- Release Ass 35 - Marwari	28 CTB-1			
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
					Re	elease Assessn	nent				
	2/7/2025	0.5	Grab	In-Situ	7,860	ND	62.6	5,620	1420	3640	560
DSV-01	2/7/2025	1.0	Grab	In-Situ	4,640	ND	6.04	668	91.1	497	80
	2/7/2025	2.5	Grab	In-Situ	320	ND	ND	ND	ND	ND	ND
	2/7/2025	0.5	Grab	In-Situ	46,400	ND	ND	590	ND	472	118
DSV-02	2/7/2025	1.0	Grab	In-Situ	8,900	ND	ND	61	ND	60.6	ND
	2/7/2025	2.5	Grab	In-Situ	448	ND	ND	ND	ND	ND	ND
DSH-01	2/7/2025	0.5	Grab	In-Situ	144	ND	ND	ND	ND	ND	ND
DSH-02	2/7/2025	0.5	Grab	In-Situ	48	ND	ND	ND	ND	ND	ND
DSH-03	2/7/2025	0.5	Grab	In-Situ	432	ND	ND	ND	ND	ND	ND
DSH-04	2/7/2025	0.5	Grab	In-Situ	352	ND	ND	16	ND	15.9	ND
NMOCD	Reclamation S	tandards³ (Surfa	ce to 4 ft b	gs)	10,000	10	50	2,500	1,0	00	N/A
NMOCD Reme	diation Standar	ds ⁴ (Greater tha	n Depths of	4 ft bgs)	10,000	10	50	2,500	1,0	00	N/A

^{1.} BTEX = Benzene, toluene, ethylbenzene, and total xylenes

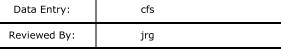
N/A = Not Applicable

Bold denotes concentrations above applicable laboratory SDLs.

Bold and Highlighted values exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.

In-situ = Sample is representative of material which remains in-place at the site.

Excavated = Sample is representative of materials which was excavated and disposed of at a permitted disposal facility.





^{2.} TPH = Total petroleum hydrocarbons

^{3.} New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegetation (19.15.29.13), NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4 ft. bgs

^{4.} New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N,12/01/23

ND = Constituent was not detected above the indicated laboratory sample detection limit (SDL).

Table 2

Confirmation Sample Results

Terracon Project Number: AR257035 - Marwari 28 CTB-1

				N	MOCD Refere	<u>ence No. nA</u>	PP25007237	09			_
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
					Co	nfirmation T	able				
CS-1	10/17/2025	0.0-0.5	Composite	In-Situ	632	ND	ND	ND	ND	ND	ND
CS-2	10/17/2025	0.0-0.5	Composite	In-Situ	458	ND	ND	ND	ND	ND	ND
NMOC	D Reclamation S	tandards3 (Surfa	ace to 4 ft be	gs)	10,000	10	50	2,500	1,000		NA
NMOCD Rem	ediation Standa	rds ⁴ (Greater tha	n Depths of	4 ft bgs)	10,000	10	50	2,500	1,000		NA
1. BTFX = Benz	ene, toluene, ethy	vlhenzene, and tot	al xylenes								

- 2. TPH = Total petroleum hydrocarbons
- 3. New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegetation (19.15.29.13), NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4 ft. bgs
- 4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N, 8/14/2018 ND = Constituent was not detected above the indicated laboratory sample detection limit (SDL).

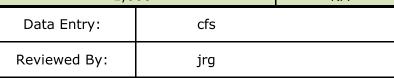
N/A = Not Applicable

Bold denotes concentrations above applicable laboratory SDLs.

Bold and Highlighted values exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.

In-situ = Sample is representative of material which remains in-place at the site.

Excavated = Sample is representative of materials which was excavated and disposed of at a permitted disposal facility.





Received by OCD: 10/24/2025 8:22:04 AM



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NN											
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	0	5	5	white caliche		Y VN	
	5	15	10	tan sandy caliche		Y VN	
	15	45	30	tan sandy clay		Y VN	
	45	50	5	red sandy clay		Y VN	
	50	55	5	tan sandy clay		Y VN	
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	METHOD U	1		OF WATER-BEARING STRATA: BAILER OTHER – SPECIFY: N/A		TAL ESTIMATED ELL YIELD (gpm):	0
N	WELL TEST	TEST	RESULTS - ATTA	ACH A COPY OF DATA COLLECTED DURING WELL TE ME, AND A TABLE SHOWING DISCHARGE AND DRAWI	STING, INCLUD	ING DISCHARGE	METHOD,
TEST; RIG SUPERVISION	MISCELLAN	_	FORMATION: We	ell was drilled 10/7/24, no water was encountered, well voved and well bore was plugged in accordance with the e on 10/11/24.	was gauged 10/1 e approved plug	11/24, no water for	and, casing was tions for a dry
S. TES	PRINT NAM Nathan Smel		RILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF V	WELL CONSTRU	JCTION OTHER TH	IAN LICENSEE:
6. SIGNATURE	CORRECT R	ECORD O	F THE ABOVE D	ES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE ESCRIBED HOLE AND THAT HE OR SHE WILL FILE TH DOWN OF WELL DRILLING:	E AND BELIEF, THIS WELL RECO	THE FOREGOING I	S A TRUE AND ATE ENGINEER
6. SIGN	Colo	No	why	James Hawley		10/11/24	
	Y	SIGNAT	URE OF DRILLER	R / PRINT SIGNEE NAME		DATE	
FOR	OSE INTERN	IAL USE	~		WR-20 WELL RE	ECORD & LQG (Ve	rsion 09/22/2022)
FILI	E NO.	487	9		TRN NO.	10040	
						WU	

APPENDICES APPENDIX A - PHOTO LOG





Photo 1

View of release area beneath East end of tank



Photo 2 View of delineation sample location DSV-01 beneath East end of tank





Photo 3

View of North side of tank looking West



Photo 4

View of South side of tank looking West

APPENDIX B - LABORATORY ANALYTICAL REPORTS & CHAIN OF CUSTODY



February 13, 2025

TRAVIS CASEY
TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK, TX 79424

RE: MARWARI 28-1 CTB 1

Enclosed are the results of analyses for samples received by the laboratory on 02/07/25 14:41.

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 accreditated 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)

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 02/07/2025 Reported: 02/13/2025

Project Name: MARWARI 28-1 CTB 1

Project Number: AR 255019

Project Location: DEVON - LEA CO NM

mg/kg

Sampling Date: 02/07/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: DSH - 01 0.5' (H250774-01)

BTEX 8021B

BIEV 9051B	ıııy,	/ ky	Allalyze	и ву. эп					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2025	ND	1.61	80.3	2.00	2.24	
Toluene*	<0.050	0.050	02/10/2025	ND	1.74	87.0	2.00	2.21	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	1.69	84.7	2.00	2.08	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	4.97	82.8	6.00	2.30	
Total BTEX	<0.300	0.300	02/10/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.8 % 71.5-134		4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/10/2025	ND	416	104	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	02/11/2025	ND	178	89.2	200	8.55	
DRO >C10-C28*	<10.0	10.0	02/11/2025	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	02/11/2025	ND					
Surrogate: 1-Chlorooctane	93.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.8	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene



Analytical Results For:

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

Received: 02/07/2025 Reported: 02/13/2025

Project Name: MARWARI 28-1 CTB 1

Project Number: AR 255019

Project Location: DEVON - LEA CO NM Sampling Date: 02/07/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Sample ID: DSH - 02 0.5' (H250774-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2025	ND	1.61	80.3	2.00	2.24	
Toluene*	<0.050	0.050	02/10/2025	ND	1.74	87.0	2.00	2.21	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	1.69	84.7	2.00	2.08	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	4.97	82.8	6.00	2.30	
Total BTEX	<0.300	0.300	02/10/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/10/2025	ND	416	104	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	02/11/2025	ND	178	89.2	200	8.55	
DRO >C10-C28*	<10.0	10.0	02/11/2025	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	02/11/2025	ND					
Surrogate: 1-Chlorooctane	98.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Received: 02/07/2025 Reported: 02/13/2025

Project Name: MARWARI 28-1 CTB 1

Project Number: AR 255019

Project Location: DEVON - LEA CO NM Sampling Date: 02/07/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Sample ID: DSH - 03 0.5' (H250774-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2025	ND	1.61	80.3	2.00	2.24	
Toluene*	<0.050	0.050	02/10/2025	ND	1.74	87.0	2.00	2.21	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	1.69	84.7	2.00	2.08	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	4.97	82.8	6.00	2.30	
Total BTEX	<0.300	0.300	02/10/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.6 % 71.5-1.		4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	02/10/2025	ND	416	104	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	02/11/2025	ND	178	89.2	200	8.55	
DRO >C10-C28*	<10.0	10.0	02/11/2025	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	02/11/2025	ND					
Surrogate: 1-Chlorooctane	97.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Received: 02/07/2025 Reported: 02/13/2025

Project Name: MARWARI 28-1 CTB 1

Project Number: AR 255019

Project Location: DEVON - LEA CO NM Sampling Date: 02/07/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Sample ID: DSH - 04 0.5' (H250774-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2025	ND	1.61	80.3	2.00	2.24	
Toluene*	<0.050	0.050	02/10/2025	ND	1.74	87.0	2.00	2.21	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	1.69	84.7	2.00	2.08	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	4.97	82.8	6.00	2.30	
Total BTEX	<0.300	0.300	02/10/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	02/10/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2025	ND	178	89.2	200	8.55	
DRO >C10-C28*	15.9	10.0	02/11/2025	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	02/11/2025	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keene



Notes and Definitions

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

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

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinaliausiiii	ges to ce	email chan	inges. Please	bal cha	pt ve	tacci	canno	dinal	Car	ŀ	-	1	1			FORM-006 R 3.2 10/07/21	
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ANALYS REQUEST			BILL TO:			4	١	١	١	١	١	١	١		FAX (575) 393-2476	(575) 393-2326	1



February 13, 2025

TRAVIS CASEY
TERRACON CONSULTANTS
5827 50TH ST. SUITE 1
LUBBOCK, TX 79424

RE: MARWARI 28-1 CTB 1

Enclosed are the results of analyses for samples received by the laboratory on 02/07/25 14:41.

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 accreditated 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)

Celey D. Keene

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 02/07/2025 Reported: 02/13/2025

Project Name: MARWARI 28-1 CTB 1

Project Number: AR 255019

Project Location: DEVON - LEA CO NM

Sampling Date: 02/07/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: DSV - 01 0.5' (H250775-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	02/11/2025	ND	1.61	80.3	2.00	2.24	GC-NC
Toluene*	7.20	0.200	02/11/2025	ND	1.74	87.0	2.00	2.21	
Ethylbenzene*	3.78	0.200	02/11/2025	ND	1.69	84.7	2.00	2.08	
Total Xylenes*	51.6	0.600	02/11/2025	ND	4.97	82.8	6.00	2.30	
Total BTEX	62.6	1.20	02/11/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	170	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7860	16.0	02/10/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1420	10.0	02/11/2025	ND	178	89.2	200	8.55	
DRO >C10-C28*	3640	10.0	02/11/2025	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	560	10.0	02/11/2025	ND					
Surrogate: 1-Chlorooctane	162	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	162	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene



Analytical Results For:

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

Received: 02/07/2025 Reported: 02/13/2025

Project Name: MARWARI 28-1 CTB 1

Project Number: AR 255019

Project Location: DEVON - LEA CO NM

Sampling Date: 02/07/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: DSV - 01 1' (H250775-02)

BTEX 8021B	mg,	/kg	Analyze	ed By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2025	ND	1.61	80.3	2.00	2.24	
Toluene*	0.529	0.050	02/11/2025	ND	1.74	87.0	2.00	2.21	
Ethylbenzene*	0.498	0.050	02/11/2025	ND	1.69	84.7	2.00	2.08	
Total Xylenes*	5.01	0.150	02/11/2025	ND	4.97	82.8	6.00	2.30	
Total BTEX	6.04	0.300	02/11/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	160	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	02/10/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	91.1	10.0	02/11/2025	ND	178	89.2	200	8.55	
DRO >C10-C28*	497	10.0	02/11/2025	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	79.6	10.0	02/11/2025	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/07/2025 Reported: 02/13/2025

MARWARI 28-1 CTB 1

Project Name: Project Number: AR 255019

Project Location: DEVON - LEA CO NM Sampling Date: 02/07/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Sample ID: DSV - 01 2.5' (H250775-03)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2025	ND	1.61	80.3	2.00	2.24	
Toluene*	<0.050	0.050	02/11/2025	ND	1.74	87.0	2.00	2.21	
Ethylbenzene*	<0.050	0.050	02/11/2025	ND	1.69	84.7	2.00	2.08	
Total Xylenes*	<0.150	0.150	02/11/2025	ND	4.97	82.8	6.00	2.30	
Total BTEX	<0.300	0.300	02/11/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/10/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2025	ND	178	89.2	200	8.55	
DRO >C10-C28*	<10.0	10.0	02/11/2025	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	02/11/2025	ND					
Surrogate: 1-Chlorooctane	95.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.3	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/07/2025 Reported: 02/13/2025

Project Name: MARWARI 28-1 CTB 1

Project Number: AR 255019

Project Location: DEVON - LEA CO NM Sampling Date: 02/07/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Alyssa Parras

Sample ID: DSV - 02 0.5' (H250775-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2025	ND	1.61	80.3	2.00	2.24	
Toluene*	<0.050	0.050	02/11/2025	ND	1.74	87.0	2.00	2.21	
Ethylbenzene*	<0.050	0.050	02/11/2025	ND	1.69	84.7	2.00	2.08	
Total Xylenes*	<0.150	0.150	02/11/2025	ND	4.97	82.8	6.00	2.30	
Total BTEX	<0.300	0.300	02/11/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	34						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	46400	16.0	02/10/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2025	ND	178	89.2	200	8.55	
DRO >C10-C28*	472	10.0	02/11/2025	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	118	10.0	02/11/2025	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	34						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	18						

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Analytical Results For:

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

Received: 02/07/2025 Reported: 02/13/2025

MARWARI 28-1 CTB 1

Project Name: MARWARI 2
Project Number: AR 255019

Project Location: DEVON - LEA CO NM

Sampling Date: 02/07/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: DSV - 02 1' (H250775-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2025	ND	1.61	80.3	2.00	2.24	
Toluene*	<0.050	0.050	02/10/2025	ND	1.74	87.0	2.00	2.21	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	1.69	84.7	2.00	2.08	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	4.97	82.8	6.00	2.30	
Total BTEX	<0.300	0.300	02/10/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8900	16.0	02/10/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2025	ND	178	89.2	200	8.55	
DRO >C10-C28*	60.6	10.0	02/11/2025	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	02/11/2025	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 02/07/2025 Reported: 02/13/2025

Project Name: MARWARI 28-1 CTB 1

Project Number: AR 255019

Project Location: DEVON - LEA CO NM

Sampling Date: 02/07/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Sample ID: DSV - 02 2.5' (H250775-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2025	ND	1.61	80.3	2.00	2.24	
Toluene*	<0.050	0.050	02/10/2025	ND	1.74	87.0	2.00	2.21	
Ethylbenzene*	<0.050	0.050	02/10/2025	ND	1.69	84.7	2.00	2.08	
Total Xylenes*	<0.150	0.150	02/10/2025	ND	4.97	82.8	6.00	2.30	
Total BTEX	<0.300	0.300	02/10/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.0	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	02/10/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2025	ND	178	89.2	200	8.55	
DRO >C10-C28*	<10.0	10.0	02/11/2025	ND	175	87.3	200	12.3	
EXT DRO >C28-C36	<10.0	10.0	02/11/2025	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

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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B.S. G. 1 X. X	101 East Marianu, 1902 (575) 393-2326 FAX (575) 393-2476 ompany Name: Terracon ompany Name: Terracon ompany Name: Terracon ompany Name: Terracon State: NM Zip: 882 State: NM Zip: 882 State: NM Zip: 882 Fax #: Fax #: Project Owner: Devon Energy Project Name: Marwari 28-1 CTB 1 Project Location: Lea Sampler Name: Becky Sue Meadows Sampler Name: Becky Sue Meadows FOR UAB USE ONLY FOR UAB USE ONLY A B D T D D C C C C C C C C C C C C C C C C
AXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Start Depth Sirate: NM State: NM Sta
AXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	GROUNDWAT WASTEWATER SOIL MA
	OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: OTHER:
Please of Marie 1	Bender bbs 88240
A X X X X X X X X X X X X X X X X X X X	Chloride (EPA Method4500) TPH Extended 8015
15:10:20 X X X X X 10:20 X 10:20 X 10:20 X 20 X	× BTEX (EPA Method 8021B) Hold

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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ANALYTICAL REPORT

PREPARED FOR

Attn: Chuck Smith
Terracon Consulting Eng & Scientists
5847 50th St
Lubbock, Texas 79424
Generated 10/21/2025 5:53:10 PM

JOB DESCRIPTION

Marwari 28-1 CTB 1 / Incident # nAPP2500723709 AR257035

JOB NUMBER

820-21552-1

Eurofins Lubbock 6701 Aberdeen Ave. Suite 8 Lubbock TX 79424



Eurofins Lubbock

Job Notes

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Authorization

Generated 10/21/2025 5:53:10 PM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440

Eurofins Lubbock is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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Client: Terracon Consulting Eng & Scientists Project/Site: Marwari 28-1 CTB 1 / Incident # nAPP2500723709 Laboratory Job ID: 820-21552-1 SDG: AR257035

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Definitions/Glossary

Client: Terracon Consulting Eng & Scientists Job ID: 820-21552-1 Project/Site: Marwari 28-1 CTB 1 / Incident # nAPP2500723709 SDG: AR257035

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

F1 MS and/or MSD recovery exceeds control limits. U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DΙ

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) Limit of Detection (DoD/DOE) LOD LOQ Limit of Quantitation (DoD/DOE)

MCL FPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points RPD

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Job ID: 820-21552-1

Case Narrative

Client: Terracon Consulting Eng & Scientists

Project: Marwari 28-1 CTB 1 / Incident # nAPP2500723709

Job ID: 820-21552-1 **Eurofins Lubbock**

Job Narrative 820-21552-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when sitespecific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 10/17/2025 11:46 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 6.1°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar:

CS-1 (820-21552-1) and CS-2 (820-21552-2)

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015MOD NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-121627 and analytical batch 880-121728 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Terracon Consulting Eng & Scientists

Project/Site: Marwari 28-1 CTB 1 / Incident # nAPP2500723709

Job ID: 820-21552-1

SDG: AR257035

Client Sample ID: CS-1 Lab Sample ID: 820-21552-1 Date Collected: 10/17/25 08:05

Matrix: Solid

Date Received: 10/17/25 11:46 Sample Depth: 0.0 - 0.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/19/25 19:21	10/20/25 16:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/19/25 19:21	10/20/25 16:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/19/25 19:21	10/20/25 16:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/19/25 19:21	10/20/25 16:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/19/25 19:21	10/20/25 16:48	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/19/25 19:21	10/20/25 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				10/19/25 19:21	10/20/25 16:48	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/19/25 19:21	10/20/25 16:48	1

Method: TAL SOP Total BTEX - Total	BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			10/20/25 16:48	1

Method: SW846 8015 NM - Diesel Ra	ange Organi	ics (DRO) (0	GC)						
Analyte	Result	Qualifier	RL	MDL Uni	t C)	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg.	/Kg			10/21/25 16:35	1

Method: SW846 8015B NM - Dies	sel Range Orga	ınics (DRO)) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U F1	50.0		mg/Kg		10/21/25 08:58	10/21/25 16:35	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		10/21/25 08:58	10/21/25 16:35	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/25 08:58	10/21/25 16:35	1
Surrogate	%Recovery	Qualifier	l imits				Prenared	Analyzed	Dil Fac

Carrogate	/ortcoovery	Quanner	Lillies	rrepared	Analyzea	Dii i uc
1-Chlorooctane	110		70 - 130	10/21/25 08:58	10/21/25 16:35	1
o-Terphenyl	124		70 - 130	10/21/25 08:58	10/21/25 16:35	1
Г., .,						

Method: EPA 300.0 - Anions, Ion C	nromatograp	my - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	632		9.96		mg/Kg			10/20/25 14:02	1

Client Sample ID: CS-2 Lab Sample ID: 820-21552-2 Date Collected: 10/17/25 08:10 **Matrix: Solid**

Date Received: 10/17/25 11:46 **Sample Depth: 0.0 - 0.5**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		10/19/25 19:21	10/20/25 17:08	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/19/25 19:21	10/20/25 17:08	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/19/25 19:21	10/20/25 17:08	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/19/25 19:21	10/20/25 17:08	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/19/25 19:21	10/20/25 17:08	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/19/25 19:21	10/20/25 17:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				10/19/25 19:21	10/20/25 17:08	

Client Sample Results

Client: Terracon Consulting Eng & Scientists

Project/Site: Marwari 28-1 CTB 1 / Incident # nAPP2500723709

Job ID: 820-21552-1

SDG: AR257035

Lab Sample ID: 820-21552-2

10/21/25 08:58

10/21/25 08:58

10/21/25 17:21 10/21/25 17:21

Matrix: Solid

Client Sample ID: CS-2

Date Collected: 10/17/25 08:10 Date Received: 10/17/25 11:46

Sample Depth: 0.0 - 0.5

1-Chlorooctane

o-Terphenyl

Method: SW846 8021B -	Volatile Organic	Compounds (GC	(Continued)
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Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98	70 - 130	10/19/25 19:21	10/20/25 17:08	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			10/20/25 17:08	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		ma/Ka			10/21/25 17:21	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

modification of the first property and the fi								
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/l	Kg	10/21/25 08:58	10/21/25 17:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/l	≺g	10/21/25 08:58	10/21/25 17:21	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/l	K g	10/21/25 08:58	10/21/25 17:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Method: EPA 300 0 - Anions, Ion Chromatography - Soluble

105

120

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	458	9.92	mg/Kg			10/20/25 14:07	1

70 - 130

70 - 130

Surrogate Summary

Client: Terracon Consulting Eng & Scientists

Project/Site: Marwari 28-1 CTB 1 / Incident # nAPP2500723709

Job ID: 820-21552-1

SDG: AR257035

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
820-21552-1	CS-1	107	100
820-21552-2	CS-2	104	98
890-8968-A-1-A MS	Matrix Spike	102	105
890-8968-A-1-B MSD	Matrix Spike Duplicate	98	105
LCS 880-121502/1-A	Lab Control Sample	103	107
LCSD 880-121502/2-A	Lab Control Sample Dup	107	106
MB 880-121502/5-A	Method Blank	105	96
Surrogate Legend			

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

_			
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
820-21552-1	CS-1	110	124
820-21552-1 MS	CS-1	127	123
820-21552-1 MSD	CS-1	98	111
820-21552-2	CS-2	105	120
LCS 880-121627/2-A	Lab Control Sample	77	89
LCSD 880-121627/3-A	Lab Control Sample Dup	100	96
MB 880-121627/1-A	Method Blank	82	90

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Terracon Consulting Eng & Scientists

Project/Site: Marwari 28-1 CTB 1 / Incident # nAPP2500723709

Job ID: 820-21552-1

SDG: AR257035

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-121502/5-A

Lab Sample ID: LCS 880-121502/1-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 121506

Analysis Batch: 121506

Client Sample ID: Method Blank

Prep Batch: 121502

Prep Type: Total/NA

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/19/25 19:21	10/20/25 11:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/19/25 19:21	10/20/25 11:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/19/25 19:21	10/20/25 11:28	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/19/25 19:21	10/20/25 11:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/19/25 19:21	10/20/25 11:28	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/19/25 19:21	10/20/25 11:28	1

MB MB

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	10.	0/19/25 19:21	10/20/25 11:28	1
1,4-Difluorobenzene (Surr)	96		70 - 130	10.)/19/25 19:21	10/20/25 11:28	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 121502

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1121 mg/Kg 112 70 - 130 Toluene 0.100 0.09948 mg/Kg 99 70 - 130 0.100 Ethylbenzene 0.1014 mg/Kg 101 70 - 130 m-Xylene & p-Xylene 0.200 106 70 - 130 0.2116 mg/Kg 0.100 0.1023 102 70 - 130 o-Xylene mg/Kg

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 121506

Lab Sample ID: LCSD 880-121502/2-A

Prep Type: Total/NA **Prep Batch: 121502**

	эріке	LCOD	LCSD				70KeC		KPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1168		mg/Kg		117	70 - 130	4	35	
Toluene	0.100	0.1034		mg/Kg		103	70 - 130	4	35	
Ethylbenzene	0.100	0.1054		mg/Kg		105	70 - 130	4	35	
m-Xylene & p-Xylene	0.200	0.2185		mg/Kg		109	70 - 130	3	35	
o-Xylene	0.100	0.1059		mg/Kg		106	70 - 130	3	35	

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	107	70 - 130
1,4-Difluorobenzene (Surr)	106	70 - 130

Lab Sample ID: 890-8968-A-1-A MS

Matrix: Solid

Analysis Batch: 121506

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 121502

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.100	0.1002		mg/Kg		100	70 - 130	
Toluene	<0.00200	U	0.100	0.08836		mg/Kg		88	70 - 130	

QC Sample Results

Client: Terracon Consulting Eng & Scientists

Project/Site: Marwari 28-1 CTB 1 / Incident # nAPP2500723709

Job ID: 820-21552-1

SDG: AR257035

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-8968-A-1-A MS

Matrix: Solid

Analysis Batch: 121506

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 121502

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00200	U	0.100	0.08800		mg/Kg		88	70 - 130	
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1815		mg/Kg		91	70 - 130	
o-Xylene	<0.00200	U	0.100	0.08804		mg/Kg		88	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 121502

2

Analysis Batch: 121506

Matrix: Solid

Lab Sample ID: 890-8968-A-1-B MSD

Sample Sample Spike MSD MSD %Rec Result Qualifier Added RPD Limit Analyte Result Qualifier Unit %Rec Limits 0.100 70 - 130 7 35 Benzene <0.00200 U 0.1078 mg/Kg 108 Toluene <0.00200 U 0.100 0.09081 mg/Kg 91 70 - 130 3 35 Ethylbenzene <0.00200 U 0.100 0.08917 89 70 - 130 35

mg/Kg <0.00399 U 0.200 0.1847 92 70 - 130 m-Xylene & p-Xylene mg/Kg <0.00200 U 0.100 0.08831 70 - 130 o-Xylene mg/Kg 88

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-121627/1-A

Matrix: Solid

Analysis Batch: 121728

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 121627

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		10/21/25 08:58	10/21/25 00:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/21/25 08:58	10/21/25 00:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/21/25 08:58	10/21/25 00:51	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	10/21/25 08:5	8 10/21/25 00:51	1
o-Terphenyl	90		70 - 130	10/21/25 08:5	8 10/21/25 00:51	1

Lab Sample ID: LCS 880-121627/2-A

Matrix: Solid

Analysis Batch: 121728

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 121627

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	857.3		mg/Kg		86	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	902.1		mg/Kg		90	70 - 130	
C10-C28)								

Eurofins Lubbock

Client: Terracon Consulting Eng & Scientists

Project/Site: Marwari 28-1 CTB 1 / Incident # nAPP2500723709

Job ID: 820-21552-1

SDG: AR257035

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-121627/2-A

Lab Sample ID: LCSD 880-121627/3-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 121728

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 121627

LCS LCS Surrogate

%Recovery Qualifier Limits 1-Chlorooctane 77 70 - 130 o-Terphenyl 89 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 121627

Analysis Batch: 121728

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Gasoline Range Organics 1000 924.4 92 70 - 130 8 20 mg/Kg (GRO)-C6-C10 1000 938.7 mg/Kg 94 70 - 130 20 Diesel Range Organics (Over

C10-C28)

LCSD LCSD

Surrogate %Recovery Qualifier Limits 100 70 - 130 1-Chlorooctane 70 - 130 o-Terphenyl 96

Lab Sample ID: 820-21552-1 MS Client Sample ID: CS-1 **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 121728 Prep Batch: 121627 Sample Sample MS MS Spike

Analyte Added Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics <50.0 UF1 999 770.6 mg/Kg 75 70 - 130 (GRO)-C6-C10 70 - 130 Diesel Range Organics (Over <50.0 U 999 783.6 mg/Kg 78

C10-C28)

MS MS Surrogate %Recovery Qualifier Limits

70 - 130 1-Chlorooctane 127 o-Terphenyl 123 70 - 130

Lab Sample ID: 820-21552-1 MSD

Matrix: Solid

Analysis Batch: 121728

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit U F1 999 692.7 F1 Gasoline Range Organics <50.0 mg/Kg 67 70 - 130 11 20 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 999 743.5 mg/Kg 74 70 - 130 5 20

C10-C28)

MSD MSD

%Recovery Qualifier Surrogate Limits 1-Chlorooctane 98 70 - 130 111 70 - 130 o-Terphenyl

Eurofins Lubbock

Client Sample ID: CS-1

Prep Type: Total/NA

Prep Batch: 121627

QC Sample Results

Client: Terracon Consulting Eng & Scientists

Project/Site: Marwari 28-1 CTB 1 / Incident # nAPP2500723709

Job ID: 820-21552-1

SDG: AR257035

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-121508/1-A

Client Sample ID: Method Blank

Prep Type: Soluble

Analysis Batch: 121510

Matrix: Solid

MB MB Result Qualifier MDL Unit Dil Fac Analyte RL D Prepared Analyzed Chloride <10.0 U 10.0 mg/Kg 10/20/25 09:06

Lab Sample ID: LCS 880-121508/2-A Client Sample ID: Lab Control Sample **Matrix: Solid**

Prep Type: Soluble

Analysis Batch: 121510

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Chloride 250 247.6 mg/Kg 99 90 - 110

Client Sample ID: Lab Control Sample Dup Lab Sample ID: LCSD 880-121508/3-A

Matrix: Solid Prep Type: Soluble

Analysis Batch: 121510

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 248.1 mg/Kg 90 - 110

Lab Sample ID: 890-8965-A-1-D MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 121510

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Qualifier Unit %Rec Result Limits Chloride 101 251 354.7 101 90 - 110 mg/Kg

Lab Sample ID: 890-8965-A-1-E MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 121510

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 251 101 355.0 mg/Kg 101 90 - 110 0 20

QC Association Summary

Client: Terracon Consulting Eng & Scientists

Project/Site: Marwari 28-1 CTB 1 / Incident # nAPP2500723709

Job ID: 820-21552-1 SDG: AR257035

GC VOA

Prep Batch: 121502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-21552-1	CS-1	Total/NA	Solid	5035	
820-21552-2	CS-2	Total/NA	Solid	5035	
MB 880-121502/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-121502/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-121502/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8968-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-8968-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 121506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-21552-1	CS-1	Total/NA	Solid	8021B	121502
820-21552-2	CS-2	Total/NA	Solid	8021B	121502
MB 880-121502/5-A	Method Blank	Total/NA	Solid	8021B	121502
LCS 880-121502/1-A	Lab Control Sample	Total/NA	Solid	8021B	121502
LCSD 880-121502/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	121502
890-8968-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	121502
890-8968-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	121502

Analysis Batch: 121674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-21552-1	CS-1	Total/NA	Solid	Total BTEX	
820-21552-2	CS-2	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 121627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-21552-1	CS-1	Total/NA	Solid	8015NM Prep	
820-21552-2	CS-2	Total/NA	Solid	8015NM Prep	
MB 880-121627/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-121627/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-121627/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
820-21552-1 MS	CS-1	Total/NA	Solid	8015NM Prep	
820-21552-1 MSD	CS-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 121728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-21552-1	CS-1	Total/NA	Solid	8015B NM	121627
820-21552-2	CS-2	Total/NA	Solid	8015B NM	121627
MB 880-121627/1-A	Method Blank	Total/NA	Solid	8015B NM	121627
LCS 880-121627/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	121627
LCSD 880-121627/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	121627
820-21552-1 MS	CS-1	Total/NA	Solid	8015B NM	121627
820-21552-1 MSD	CS-1	Total/NA	Solid	8015B NM	121627

Analysis Batch: 121737

Released to Imaging: 11/25/2025 9:13:40 AM

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-21552-1	CS-1	Total/NA	Solid	8015 NM	
820-21552-2	CS-2	Total/NA	Solid	8015 NM	

Eurofins Lubbock

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QC Association Summary

Client: Terracon Consulting Eng & Scientists

Project/Site: Marwari 28-1 CTB 1 / Incident # nAPP2500723709

Job ID: 820-21552-1 SDG: AR257035

HPLC/IC

Leach Batch: 121508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-21552-1	CS-1	Soluble	Solid	DI Leach	
820-21552-2	CS-2	Soluble	Solid	DI Leach	
MB 880-121508/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-121508/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-121508/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8965-A-1-D MS	Matrix Spike	Soluble	Solid	DI Leach	
890-8965-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 121510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-21552-1	CS-1	Soluble	Solid	300.0	121508
820-21552-2	CS-2	Soluble	Solid	300.0	121508
MB 880-121508/1-A	Method Blank	Soluble	Solid	300.0	121508
LCS 880-121508/2-A	Lab Control Sample	Soluble	Solid	300.0	121508
LCSD 880-121508/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	121508
890-8965-A-1-D MS	Matrix Spike	Soluble	Solid	300.0	121508
890-8965-A-1-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	121508

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Lab Chronicle

Client: Terracon Consulting Eng & Scientists

Project/Site: Marwari 28-1 CTB 1 / Incident # nAPP2500723709

Job ID: 820-21552-1

SDG: AR257035

Lab Sample ID: 820-21552-1

Matrix: Solid

Client Sample ID: CS-1 Date Collected: 10/17/25 08:05 Date Received: 10/17/25 11:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	121502	10/19/25 19:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121506	10/20/25 16:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121674	10/20/25 16:48	SA	EET MID
Total/NA	Analysis	8015 NM		1			121737	10/21/25 16:35	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	121627	10/21/25 08:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121728	10/21/25 16:35	FC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	121508	10/20/25 08:30	CS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	121510	10/20/25 14:02	CS	EET MID

Client Sample ID: CS-2 Lab Sample ID: 820-21552-2

Date Collected: 10/17/25 08:10 **Matrix: Solid**

Date Received: 10/17/25 11:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	121502	10/19/25 19:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	121506	10/20/25 17:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			121674	10/20/25 17:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			121737	10/21/25 17:21	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	121627	10/21/25 08:58	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	121728	10/21/25 17:21	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	121508	10/20/25 08:30	CS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	121510	10/20/25 14:07	CS	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Terracon Consulting Eng & Scientists

Project/Site: Marwari 28-1 CTB 1 / Incident # nAPP2500723709

Job ID: 820-21552-1 SDG: AR257035

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Progra	am	Identification Number	Expiration Date 06-30-26	
Texas	NELAI	P	T104704400		
,	are included in this report, bu	ut the laboratory is not certif	fied by the governing authority. This lis	t may include analytes	
Analysis Method	Prep Method	Matrix	Analyte		
8015 NM		Solid	Total TPH		
Total BTEX		Solid	Total BTEX		

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Method Summary

Client: Terracon Consulting Eng & Scientists

Project/Site: Marwari 28-1 CTB 1 / Incident # nAPP2500723709

Job ID: 820-21552-1

SDG: AR257035

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

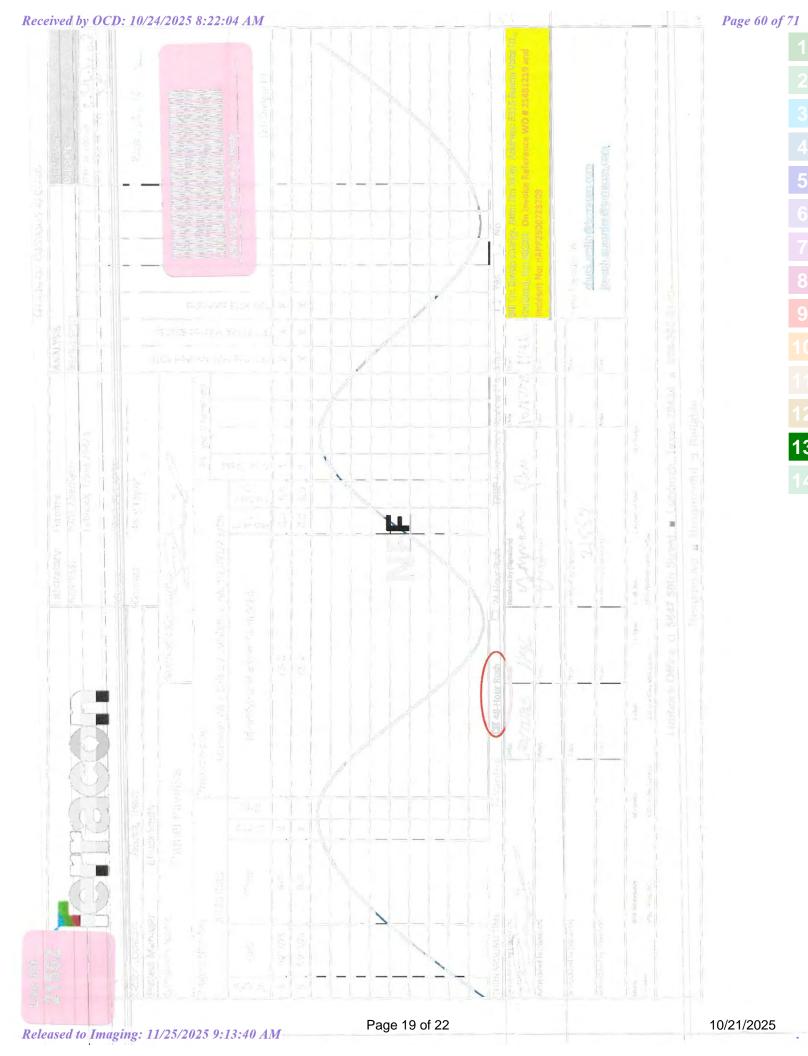
Client: Terracon Consulting Eng & Scientists Project/Site: Marwari 28-1 CTB 1 / Incident #

nAPP2500723709

Job ID: 820-21552-1

SDG: AR257035

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
820-21552-1	CS-1	Solid	10/17/25 08:05	10/17/25 11:46	0.0 - 0.5
820-21552-2	CS-2	Solid	10/17/25 08:10	10/17/25 11:46	0.0 - 0.5



STOR HELDING TO VEYE WORKEN COMMENT

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Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 820-21552-1

SDG Number: AR257035

List Source: Eurofins Lubbock

Login Number: 21552 List Number: 1

Creator: Guillen, Kyrstin

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 820-21552-1 SDG Number: AR257035

Login Number: 21552 **List Source: Eurofins Midland** List Number: 2 List Creation: 10/20/25 12:12 PM

Creator: Vasquez, Julisa

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

<6mm (1/4").

APPENDIX D - 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 MSA agreed with you, Devon Energy Production Company, LP.

Additional Scope Limitations

The development of this Report is based upon information provided by Devon Energy Production Company, LP. 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 Devon Energy Production Company, LP. 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 Devon Energy Production Company, LP, 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 Devon Energy Production Company, LP, and Terracon. Any unauthorized distribution or reuse is at Devon Energy Production Company, LP sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the proposal and Devon Energy Production Company, LP, 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 Devon Energy Production Company, LP, and all relying parties unless otherwise agreed in writing.

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

QUESTIONS

Action 519686

QUESTIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	519686
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2500723709
Incident Name	NAPP2500723709 MARWARI 28 CTB 1 @ FAPP2130555386
Incident Type	Oil Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2130555386] MARWARI 28 CTB 1

Location of Release Source	
Please answer all the questions in this group.	
Site Name	MARWARI 28 CTB 1
Date Release Discovered	01/06/2025
Surface Owner	Federal

Incident Details		
Please answer all the questions in this group.		
Incident Type	Oil 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 (bbls) Details	Cause: Equipment Failure Coupling Crude Oil Released: 6 BBL Recovered: 5 BBL Lost: 1 BBL.	
Produced Water Released (bbls) Details	Not answered.	
Is the concentration of chloride in the produced water >10,000 mg/l	Yes	
Condensate Released (bbls) 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)	Fitting on scrubber drain loosened allowing fluids to be release partially to skid and pad surface. Approx 1 bbl of fluids impacted soil around base of skid. Remaining fluids were caught in skid containment and recovered.	

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

QUESTIONS, Page 2

Action 519686

QUESTI	ONS (continued)
Operator: DEVON ENERGY PRODUCTION COMPANY, LP	OGRID: 6137
333 West Sheridan Ave. Oklahoma City, OK 73102	Action Number: 519686
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)
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	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	afety 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	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releating OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com

Phone: (505) 629-6116

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

QUESTIONS, Page 3

Action 519686

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	519686
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

Site Characterization

QUESTIONS

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.

release allegatory date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Attached Document
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	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 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	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 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	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan			
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.			
Requesting a remediation plan approval with this submission		Yes	
Attach a comprehensive report der	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.		
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 CI B)	46400	
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	5620	
GRO+DRO	(EPA SW-846 Method 8015M)	5060	
BTEX	(EPA SW-846 Method 8021B or 8260B)	62	
Benzene	(EPA SW-846 Method 8021B or 8260B)	0	
·			

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.

On what estimated date will the remediation commence	10/11/2025
On what date will (or did) the final sampling or liner inspection occur	10/17/2025
On what date will (or was) the remediation complete(d)	10/17/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	48
What is the estimated volume (in cubic yards) that will be remediated	2

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.

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.

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

QUESTIONS, Page 4

Action 519686

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	519686
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
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.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(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	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
D- 0.4-45 D-440 4F 00 44 NMAO	

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 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.

Name: James Raley Title: EHS Professional I hereby agree and sign off to the above statement Email: jim.raley@dvn.com Date: 10/24/2025

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.

Operator:

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

QUESTIONS, Page 5

Action 519686

QUESTIONS (continued)

OGRID:

DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	519686
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)
QUESTIONS	
Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	f 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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	The release was contained within the skid directly beneath a vessel, pipelines and associated equipment. Due to restricted access beneath the tank and associated equipment, active remediation of the impacted soil is not feasible at this time.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	48
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	2
	lately under or around production equipment such as production tanks, wellheads and pipelines where In may be deferred with division written approval until the equipment is removed during other operations, or when
Enter the facility ID (f#) on which this deferral should be granted	fAPP2130555386 MARWARI 28 CTB 1
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed e which includes the anticipated timelines for beginning and completing the remediation.	fforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC
to report and/or file certain release notifications and perform corrective actions for relethe OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 10/24/2025

Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

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

QUESTIONS, Page 6

Action 519686

QUESTIONS (continued)

Γ	Operator:	OGRID:
	DEVON ENERGY PRODUCTION COMPANY, LP	6137
	333 West Sheridan Ave.	Action Number:
	Oklahoma City, OK 73102	519686
		Action Type:
		[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

ampling Event Information	
Last sampling notification (C-141N) recorded	515285
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/17/2025
What was the (estimated) number of samples that were to be gathered	2
What was the sampling surface area in square feet	60

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	No	

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CONDITIONS

Action 519686

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	519686
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scwells	Deferral approved. Deferral of DSV-01 and DSV-02 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	11/25/2025