



## CLOSURE AND RECLAMATION REQUEST REPORT

Site Information:

Tomcat 21 Federal 1

Incident Number: NRM2003860041

Unit F, Section 21, Township 23 South, Range 32 East

Lea County, New Mexico

(32.291623, -103.682619)

Prepared For:

Devon Energy Production Company, LP

5315 Buena Vista Dr.

Carlsbad, NM 88220

## SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Devon Energy Production Company, LP (Devon), presents the following Closure and Reclamation Request Report (CRRR) detailing supplemental delineation, confirmation excavation soil sampling activities, and subsequent reclamation activities conducted in accordance with an approved Site Characterization Remediation Plan (SCRP) to address an inadvertent release of produced water at the Tomcat 21 Federal 1 (Site). The SCRP was received on November 21, 2024, and was subsequently approved on December 3, 2024, and was assigned the application ID number ([405600](#)).

Based on completed remedial actions and laboratory analytical results from final confirmation soil sampling activities at the Site, Devon is requesting No Further Remedial Action (NFRA) for Incident Number NRM2003860041.

## SITE LOCATION AND RELEASE BACKGROUND

The Site is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM). On January 24, 2020, a poly flowline failure resulted in the release of approximately 47.875 barrels (bbls) of produced water onto an adjacent pasture easement west of the Site well pad, hereafter referred to as the Area of Concern #1 (AOC #1) ([Figure 2](#)). A vacuum truck was immediately dispatched and recovered approximately 40 bbls of fluid. Devon immediately notified the New Mexico Oil and Conservation Division (NMOCD) via email on January 25, 2020, and reported the release on a Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on February 5, 2020, and assigned Incident Number NRM2003860041.

A SCRP was prepared and submitted to the NMOCD on November 21, 2024, which outlined subsequent corrective measures to address identified impacts exceeding the Site Closure Criteria. The SCRP ([405600](#)) was subsequently approved by the NMOCD on December 3, 2024, with the following conditions:

- *Remediation plan approved with the following conditions: 1) Using Google Earth historical imagery, a large bare patch of soil appears in 2022 that was not present in 2017, in area west of the pad that will need to be explored before delineation is complete. Due to this being a historical release, samples should be collected in 1-foot increments beginning at surface, down to a depth of 4'. A sampling plan should be emailed to the OCD for approval, prior to completing delineation. 2) Under Incident Files, uploaded on 5/21/2020, there is email correspondence from Tom Bynum that states: "We have decided to treat this area with an in-situ remediation and would very much appreciate the extra time needed to ensure the treatment has been effective." Any soil that has been chemically treated will need to be removed for disposal. 3) Pg. 3 of report states: "Laboratory analytical results for the remaining samples collected within the AOC (BH01, BH02, and BH08) indicated that chloride concentrations exceeded the NMOCD reclamation standard requirement of 600 milligram per kilogram (mg/kg) within the top four feet." Your laboratory results do not indicate that BH08 is over the reclamation standards. Please verify.*

## ADDRESSING CONDITIONS OF APPROVAL

In accordance with the SCRP conditions of approval, a Delineation Sampling Plan (DSP) was developed and submitted to the NMOCD via email on February 19, 2025, addressing the condition

of approval "1)". The DSP proposed five delineation soil sampling locations to confirm the presence or absence of residual impacts associated with vegetative stress as described in the NMOCD conditions, and changes in aerial imagery from 2017 to 2022, hereafter referred to as Area of Concern #2 (AOC #2) (Figure 2). The NMOCD approved the DSP for the proposed delineation of soil sample locations via email on February 24, 2025.

Condition "2)" references a potential chemical amendment from previous email correspondence found under historical regulatory compliance files. Based on a review of information available in the NMOCD portal and Google Earth imagery, Etech was unable to identify any evidence or documentation regarding the in-situ treatment previously mentioned in email correspondence dated May 21, 2020. The delineation data presented in the SCRPs indicated chloride concentrations exceeding the reclamation standard in AOC #1. Given the recent laboratory results, the chemical application method was either unsuccessful or had not been applied. As a result, Devon believes that an excavation driven by the Site Closure Criteria and in accordance with the approved SCRPs should remove any alternative remediation chemicals that may have been applied to the soil for treatment.

Additionally, condition "(3" notes a clerical discrepancy regarding "BH08" on page three of the SCRPs text, which stated that BH08 exhibited chloride concentrations exceeding the NMOCD reclamation standard of 600 milligrams per kilogram (mg/kg) within the top four feet. This reference was incorrect; BH08 did not show concentrations above the reclamation standard. The only two soil sample locations within the top four feet that exceeded the reclamation standard were BH01 and BH02.

## SITE CHARACTERIZATION AND APPROVED CLOSURE CRITERIA

As previously described on the SCRPs, the Site was characterized according to Table I in 19.15.29.12 of the New Mexico Administrative Code (NMAC), considering depth to groundwater and the proximity to:

- Any continuously flowing watercourse or any other significant watercourse;
- Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark);
- An occupied permanent residence, school, hospital, institution or church;
- A spring or a private, domestic freshwater well used by less than five households for domestic or stock watering purposes;
- Any freshwater well or spring;
- Incorporated municipal boundaries or a defined municipal fresh water well field covered under a municipal ordinance;
- A wetland;
- A subsurface mine;
- An unstable area (i.e. high karst potential); and
- A 100-year floodplain.

None of the potential receptors are within the established buffers in NMAC 19.15.29.12. Receptor details and sources used to determine the site characterization are included in Figure 1A, Figure 1B, and Figure 1C in Appendix A. All referenced regional boring and/or well records are included in Appendix B.

Based on the results from the desktop review detailed in the SCRPs, the following Closure Criteria were applied and approved by the NMOCD:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria <sup>†</sup>
Chloride	Environmental Protection Agency (EPA) 300.0	10,000 milligrams per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	2,500 mg/kg
TPH-Gasoline Range Organics (GRO)+ TPH-Diesel Range Organics	EPA 8015 M/D	1,000 mg/kg
Benzene	EPA 8021B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8260B	50 mg/kg

<sup>†</sup>The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13

## DELINEATION SOIL SAMPLING ACTIVITIES (AOC #2)

On February 27, 2025, Etech completed delineation at AOC #2 to evaluate residual soil impacts associated with NMOCD-identified vegetative stress. In accordance with the approved DSP and Site Closure Criteria, five borings (BH01A–BH05A) were advanced using a hand auger. Soil was field-screened for volatile organic compounds (VOCs) using a calibrated photoionization detector (PID) and for chloride using Hach® QuanTab® test strips. At each location, at least two samples were collected, representing the highest field screening results and the greatest depth. Field screening results and soil descriptions are provided on soil sampling logs in [Appendix C](#), sample locations are shown on [Figure 2](#) in [Appendix A](#), and photographs of delineation activities are included in [Appendix D](#). Delineation soil samples were placed directly into lab-provided pre-cleaned glass jars, packaged with minimal void space, labeled and immediately put on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech, Inc. Laboratories (Envirotech) in Farmington, New Mexico, for analysis of COCs.

## DELINEATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all delineation soil samples indicated concentrations of COCs either exceeded or were below the Site Closure Criteria:

- Chloride: less than (<)20.0 to 1,350 mg/kg
- TPH: <50.0 mg/kg
- DRO+GRO: <25.0 mg/kg
- Total BTEX: <0.0500 to 0.0455 mg/kg
- Benzene: <0.0250 mg/kg

Complete laboratory analytical results are summarized in [Table 1](#), included in [Appendix E](#). The executed chain-of-custody form and laboratory reports are provided in [Appendix F](#).

## CONFIRMATION EXCAVATION SOIL SAMPLING ACTIVITIES

Following completion of excavation in AOC #1 per the approved SCRPP and the additional excavation area in AOC #2, Etech collected 5-point composite confirmation excavation soil samples (FS01 through FS11 and SW01 through SW05) at a frequency of one sample per 200

square feet (sqft), [Figure 3](#) in [Appendix A](#). Each composite consisted of five equal aliquots homogenized in a 1-gallon resealable plastic bag. Samples were handled and analyzed for COCs by an accredited laboratory, as previously described.

## FINAL CONFIRMATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated that concentrations of COCs for all confirmation excavation soil samples were below the applicable Site Closure Criteria and/or reclamation standard. Laboratory analytical results are summarized in [Table 1](#), included in [Appendix E](#). The executed chain-of-custody forms and laboratory analytical results are provided in [Appendix F](#).

## RECLAMATION

From September 2025 through October 2025, the excavation area (approximately 2,176 sq ft) was backfilled with approximately 323 cubic yards of clean, locally sourced soil, and the Site was restored as close as practicable to its pre-existing condition. Final cover was graded to match existing contours and minimize ponding and erosion. The area will be reseeded with BLM Seed Mixture #2 (LPC Sand/Shinnery Sites) by hand-broadcast during the next favorable season, in accordance with BLM guidelines ([Appendix G](#)), to promote vegetation regrowth and ground cover comparable to pre-disturbance conditions. An additional sqft of surface soils were disturbed during the remediation process for Site access and will be included in the final reclamation area.

Annual inspections will be conducted to track revegetation progress and check for primary and secondary noxious weeds. Once vegetation cover and life-form ratios meet the NMOCD definition of "revegetation," a Revegetation Report will be submitted to NMOCD requesting approval of Site restoration. If no growth is observed within one year of the next favorable growing season, the Site will be reseeded. If noxious weeds are identified, Devon will address them accordingly.

Before initiating backfilling activities, Etech assessed the backfill material's capacity to support vegetative growth. Four 5-point composite soil samples were collected from the backfill stockpile to use as soil cover material for the excavation areas (STKP01 through STKP04), ensuring that uncontaminated, earthen material would be used to backfill the excavation. The stockpile composite soil samples were collected, handled, and analyzed as previously described.

Concurrently with backfilling activities, Etech assessed the backfill material's capacity to support vegetative growth. Two 5-point composite soil samples were collected, as previously described, from the backfilled excavation used as soil cover material for the excavation area (SC01 and SC02). The soil samples were qualitatively evaluated for nutrient density of pH, Nitrogen (N), Phosphorus (P), and Potassium (K) utilizing a HoldAll® Soil Test Kit according to the operating manual, which is included in [Appendix H](#).

Field screening and laboratory analytical results indicated the backfill material appears to correlate with surrounding soil conditions currently supporting native vegetative growth, as summarized in [Table 1](#), and [Table 2](#), included in [Appendix E](#). The location of the reclaimed area is shown in [Figure 4](#) in [Appendix A](#). Photographic documentation of restoration activities is included in [Appendix D](#).

## CLOSURE REQUEST

Based on laboratory analytical results, Devon believes that residual soil impacts associated with the inadvertent release have been excavated and removed from the Site and the remediation area subsequently reclaimed "as close to its original state" as possible. Concentrations of COCs for all confirmation excavation soil samples were below the Site Closure Criteria and/or reclamation standard. As such, NFRA appears warranted at this time, and this CRRR associated with Incident Number NRM2003860041 should be respectfully considered for Closure by the NMOCD.

If you have any questions or comments, please do not hesitate to contact Erick Herrera at (432) 305-6416 or [erick@etechnv.com](mailto:erick@etechnv.com) or Joseph S. Hernandez at (432) 305-6413 or [joseph@etechnv.com](mailto:joseph@etechnv.com). Appendix I provides correspondence and email notification receipts associated with the subject release.

Sincerely,

Etech Environmental and Safety Solutions, Inc.



Erick Herrera  
Operations Manager, EGTG  
Consultant, Geologist



Joseph S. Hernandez  
Division Director, EGTG (TX and NM)  
Environmental and Geoscience Technical Group

cc: Jim Raley, Devon  
New Mexico Oil Conservation Division  
Bureau of Land Management

### Appendices:

- Appendix A: Figure 1: Site Map
  - Figure 1A: Site Characterization Map – Groundwater
  - Figure 1B: Site Characterization Map – Surficial Receptors
  - Figure 1C: Site Characterization Map – Subsurface Receptors
  - Figure 2: Delineation Soil Sampling Locations
  - Figure 3: Excavation Soil Sampling Locations
  - Figure 4: Future Revegetation Area
- Appendix B: Referenced Well Records
- Appendix C: Soil Sampling Logs

- Appendix D: Photographic Log
- Appendix E: Tables
- Appendix F: Laboratory Analytical Reports & Chain-of-Custody Documentation
- Appendix G: BLM Seed Mixture 2 (LPC Sand/Shinnery Sites)
- Appendix H: HoldAll® Operating Manual
- Appendix I: Correspondence & Notifications

# | Appendix A

P.O. Box 62228 Midland TX 79711 Tel: 432-563-2200 Fax: 432-563-2213

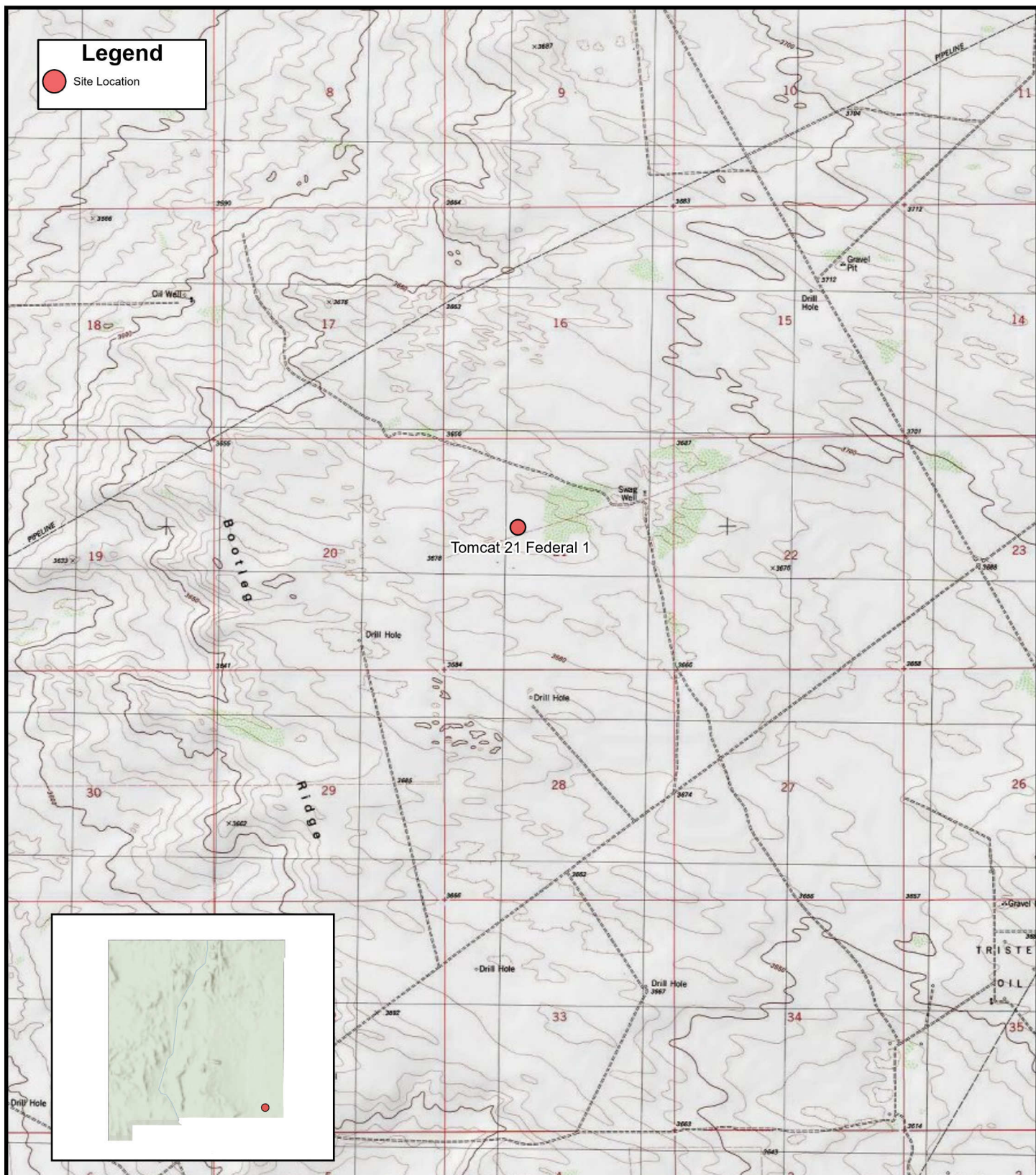


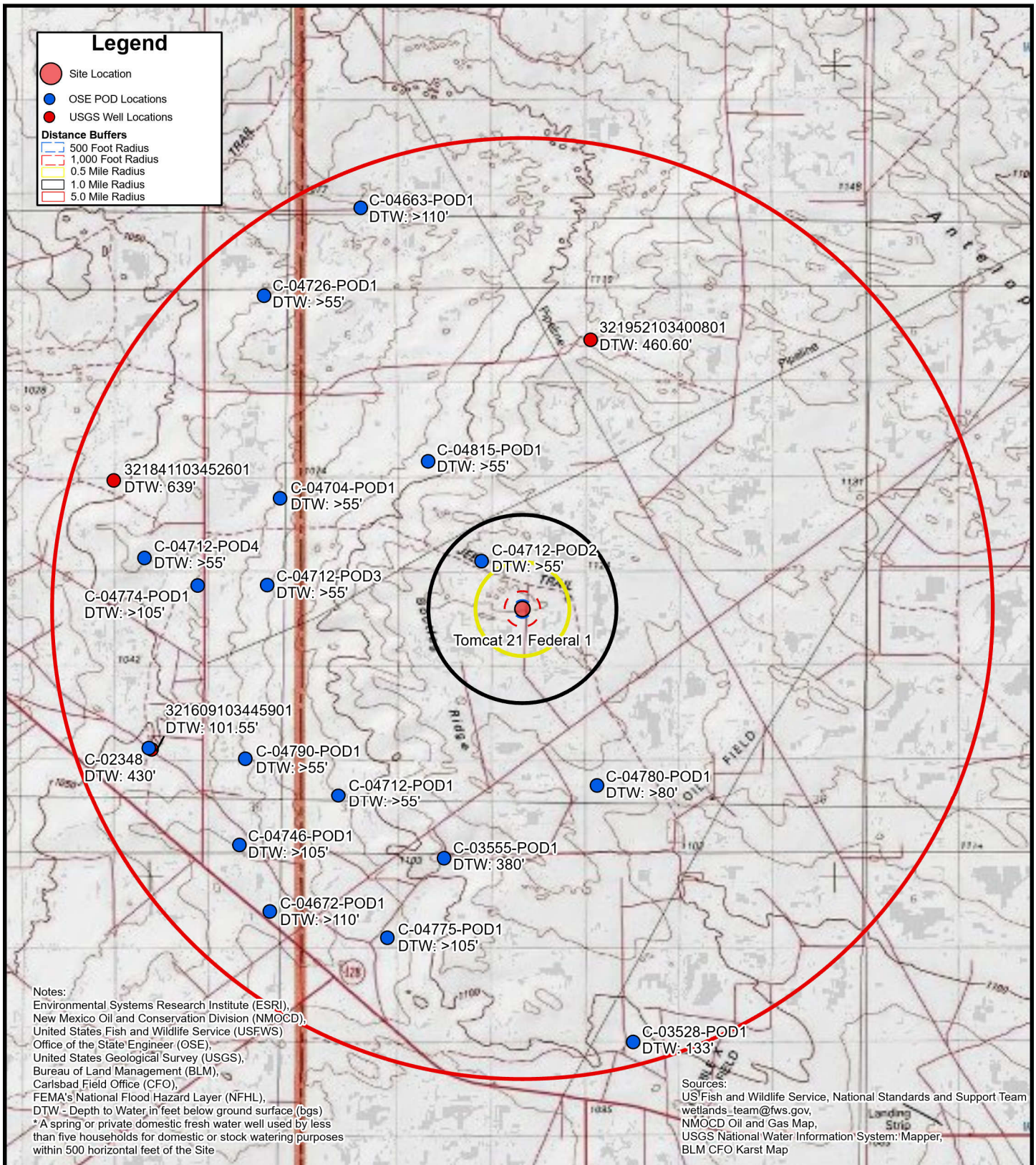
FIGURE 1

### Site Location Map

Devon Energy Production Company, LP  
Tomcat 21 Federal 1  
Unit F Sec 21 T23S R32E  
Lea County, New Mexico

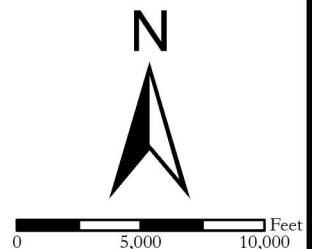


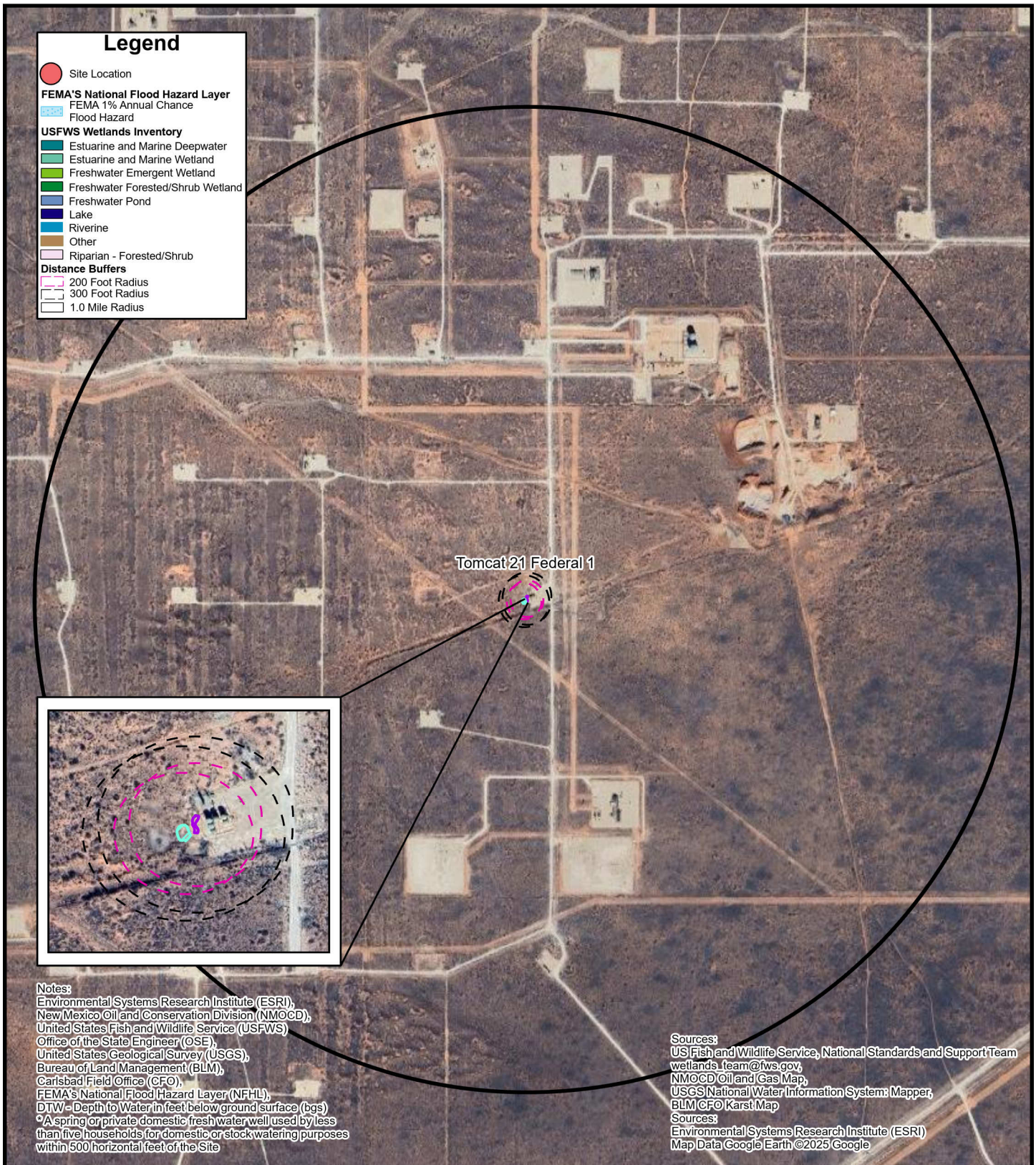
0 2,000 4,000 Feet



**FIGURE 1A  
 Site Characterization Map  
 Groundwater**

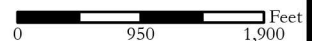
Devon Energy Production Company, LP  
 Tomcat 21 Federal 1  
 Unit F Sec 21 T23S R32E  
 Lea County, New Mexico

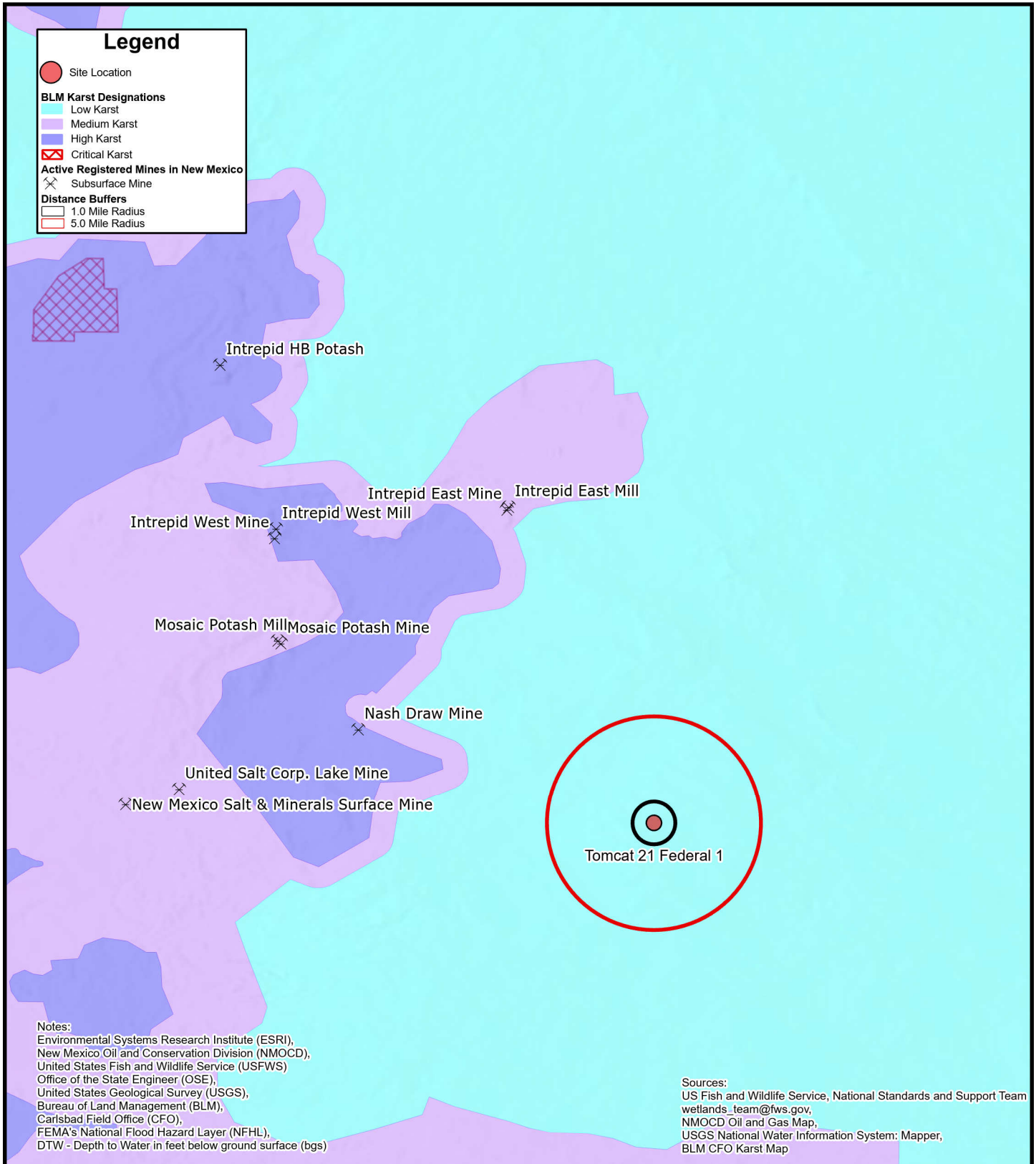




**FIGURE 1B**  
**Site Characterization Map**  
**Surficial Receptors**

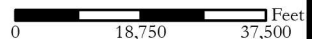
Devon Energy Production Company, LP  
 Tomcat 21 Federal 1  
 Unit F Sec 21 T23S R32E  
 Lea County, New Mexico





**FIGURE 1C**  
**Site Characterization Map**  
**Subsurface Receptors**

Devon Energy Production Company, LP  
 Tomcat 21 Federal 1  
 Unit F Sec 21 T23S R32E  
 Lea County, New Mexico



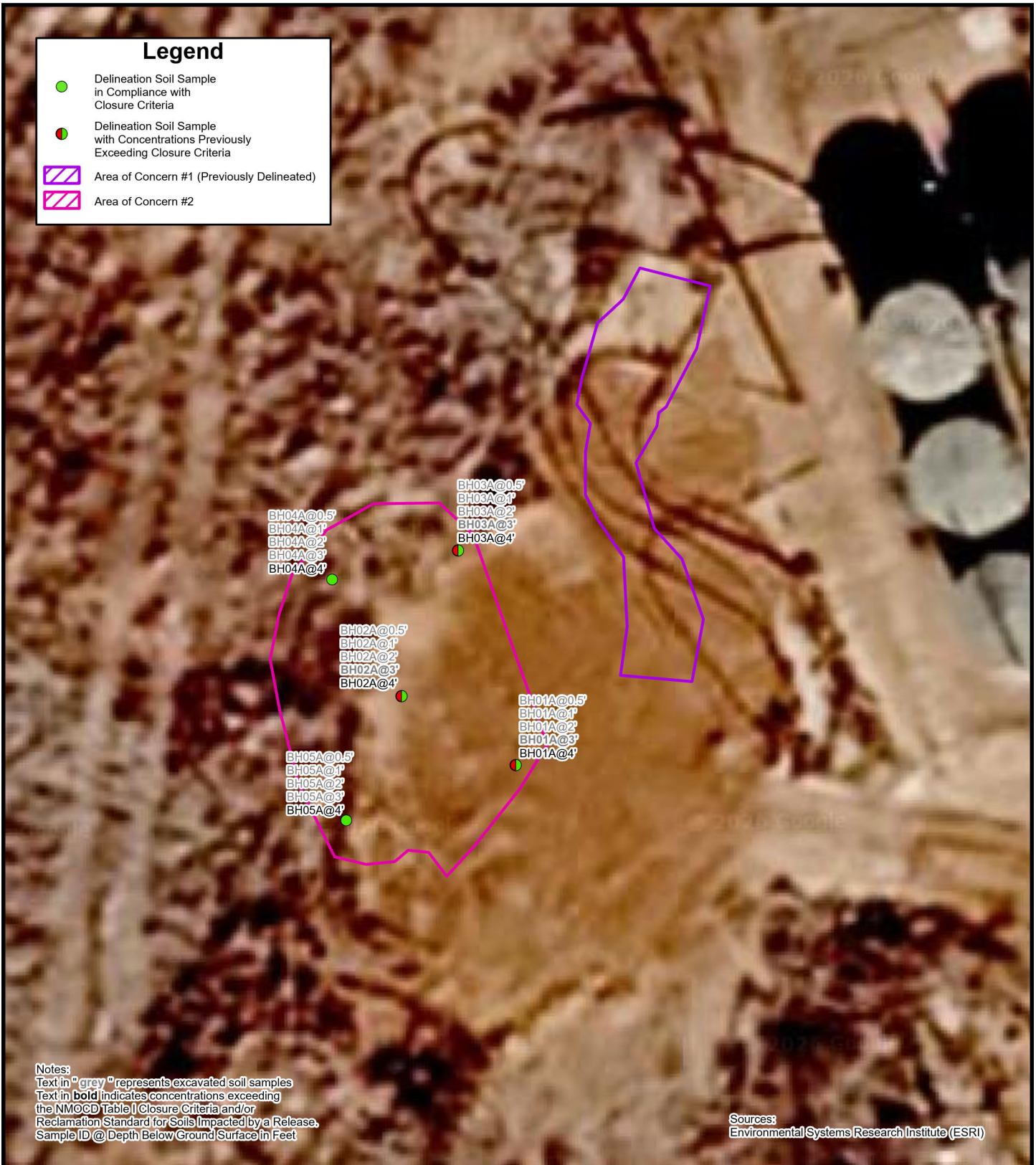
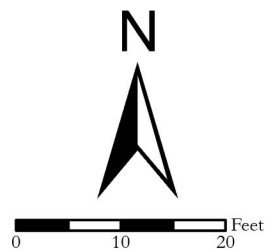
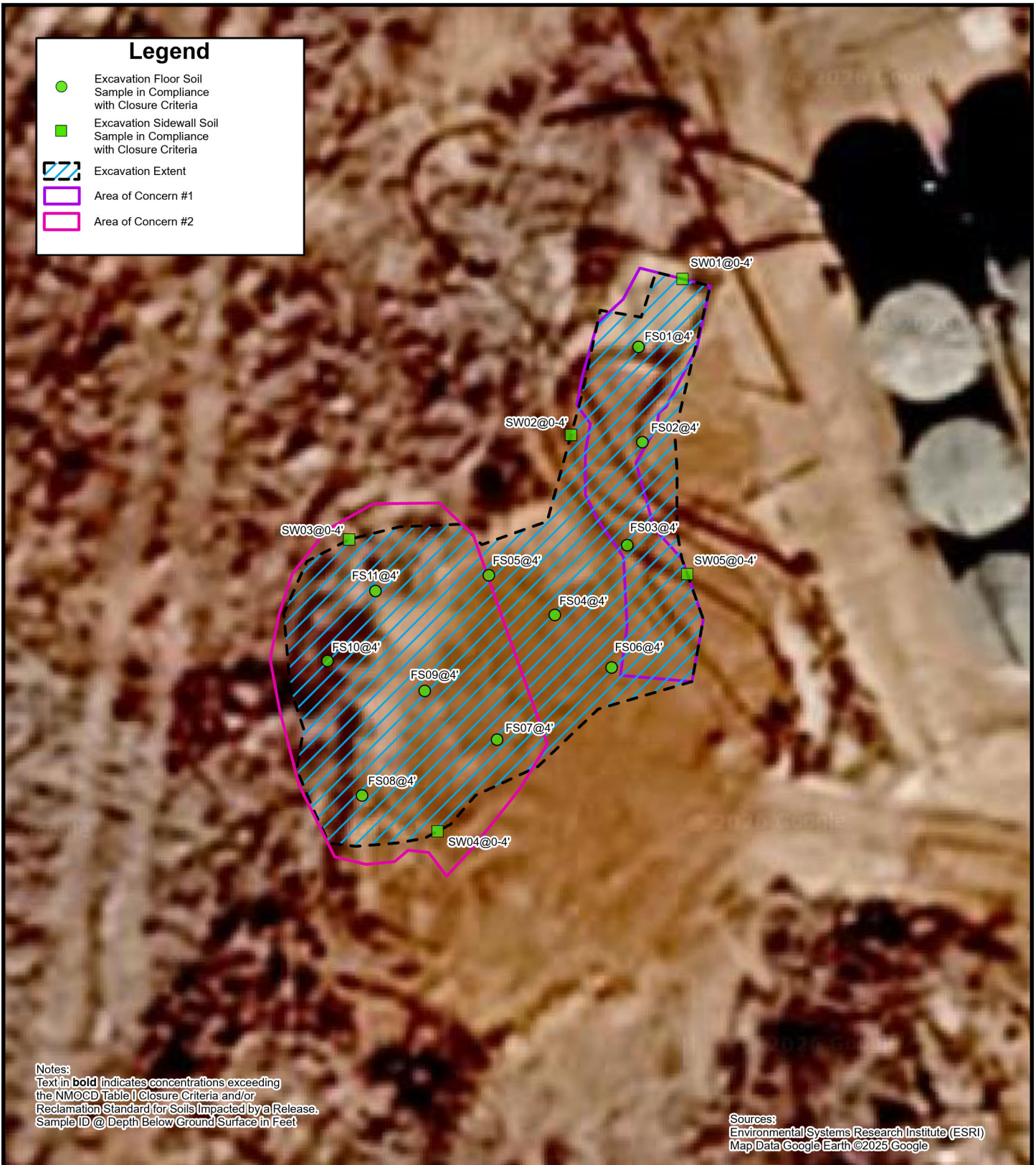


FIGURE 2

### Delineation Soil Sampling Locations

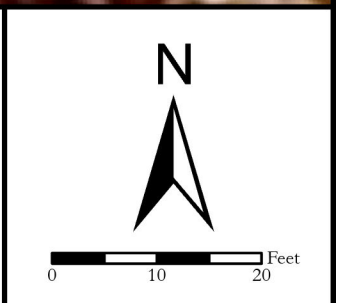
Devon Energy Production Company, LP  
Tomcat 21 Federal 1  
Unit F Sec 21 T23S R32E  
Lea County, New Mexico





**FIGURE 3**  
**Excavation Soil Sampling Locations**

Devon Energy Production Company, LP  
 Tomcat 21 Federal 1  
 Unit F Sec 21 T23S R32E  
 Lea County, New Mexico

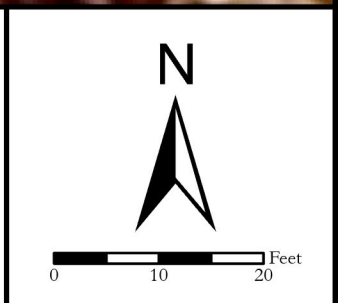




Sources:  
Environmental Systems Research Institute (ESRI)  
Map Data Google Earth ©2025 Google



FIGURE 4  
**Future Revegetation Area**  
Devon Energy Production Company, LP  
Tomcat 21 Federal 1  
Unit F Sec 21 T23S R32E  
Lea County, New Mexico



# | Appendix B

P.O. Box 62228 Midland TX 79711 Tel: 432-563-2200 Fax: 432-563-2213



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
<a href="#">C 02216</a>		CUB	LE	NE	NE	SE	21	23S	32E	625035.0	3573261.0 *		1026	585	400	185
<a href="#">C 04712 POD2</a>		CUB	LE	SE	SE	SE	17	23S	32E	623331.9	3574331.5		1076	55		
<a href="#">C 03851 POD1</a>		CUB	LE	SW	SW	SE	20	23S	32E	622879.6	3572660.0		1447	1392	713	679
<a href="#">C 04815 POD1</a>		CUB	LE	NW	SE	SW	08	23S	32E	622391.9	3576025.7		2998	55		
<a href="#">C 04780 POD1</a>		CUB	LE	NW	SW	NW	34	23S	32E	625363.6	3570521.7		3278	80		
<a href="#">C 04807 POD1</a>		CUB	LE	NW	NE	NW	11	23S	32E	625605.4	3577401.0		4182	105		
<a href="#">C 04712 POD3</a>		CUB	ED	SE	NW	NE	24	23S	31E	619650.7	3573877.9		4405	55		
<a href="#">C 04712 POD1</a>		CUB	LE	NW	SE	NW	31	23S	32E	620917.2	3570289.2		4496	55		
<a href="#">C 04704 POD1</a>		CUB	ED	SW	NE	NE	13	23S	31E	619854.4	3575363.5		4574			
<a href="#">C 02349</a>		CUB	ED	SE	NE	SW	03	23S	32E	625677.9	3578003.4		4770	525		
<a href="#">C 04790 POD1</a>		CUB	ED	SE	SE	SW	25	23S	31E	619309.4	3570904.8		5408	55		
<a href="#">C 04774 POD1</a>		CUB	ED	SE	NE	NE	23	23S	31E	618456.0	3573856.4		5596	105		
<a href="#">C 04775 POD1</a>		CUB	LE	SE	SE	SE	06	24S	32E	621789.3	3567860.4		6093	105		
<a href="#">C 04746 POD1</a>		CUB	ED	SW	SE	SW	36	23S	31E	619225.7	3569417.8		6327	105		
<a href="#">C 04712 POD4</a>		CUB	ED	NW	SE	SW	14	23S	31E	617535.4	3574316.2		6554	55		
<a href="#">C 04672 POD 1</a>		CUB	ED	NE	NW	SE	01	24S	31E	619762.2	3568286.5		6762	110		
<a href="#">C 02275</a>		CUB	LE	SW	SW	NE	19	23S	33E	630843.0	3573557.0 *		6801	650	400	250
<a href="#">C 02276</a>		CUB	LE	SW	NW	SE	19	23S	33E	630848.0	3573154.0 *		6815	650	400	250
<a href="#">C 04726 POD1</a>		CUB	ED	NW	NW	SE	01	23S	31E	619538.3	3578821.3		6954			
<a href="#">C 02777</a>		CUB	ED	SE	SE	SE	10	23S	31E	616973.8	3575662.1		7385	890		
<a href="#">C 03749 POD1</a>		CUB	ED		NE	NE	15	23S	31E	616973.8	3575662.1		7385	865	639	226
<a href="#">C 04663 POD1</a>		CUB	LE	SW	NW	NE	31	22S	32E	621181.3	3580341.4		7395	110		
<a href="#">C 02350</a>		CUB	ED		SE	SW	10	24S	32E	625826.0	3566333.0 *		7407	60		
<a href="#">C 04551 POD1</a>		CUB	LE	SE	SE	SW	31	23S	33E	630671.0	3569556.5		7724			
<a href="#">C 02405</a>		CUB	ED		SE	NW	02	24S	31E	617690.0	3568631.0 *		8016	275	160	115

Average Depth to Water: **452 feet**

Minimum Depth: 160 feet

Maximum Depth: 713 feet

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**Record Count:** 25

**Basin/County Search:**

**Basin:** C

**Subbasin:** CUB

**UTM Filters (in meters):**

**Easting:** 624042

**Northing:** 3573522

**Radius:** 8047

\* UTM location was derived from PLSS - see Help

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The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) <del>C-4712</del> <b>POD 2</b>		WELL TAG ID NO.		OSE FILE NO(S) <b>C-4712</b>	
	WELL OWNER NAME(S) <b>Harvard Petroleum Company</b>				PHONE (OPTIONAL)	
	WELL OWNER MAILING ADDRESS <b>P.O. Box 936</b>				CITY <b>Roswell</b>	STATE <b>NM</b>
					ZIP <b>88202</b>	
WELL LOCATION (FROM GPS)		DEGREES LATITUDE <b>32</b>	MINUTES <b>17</b>	SECONDS <b>56.4</b>	N	
		LONGITUDE <b>-103</b>	<b>41</b>	<b>24.2</b>	W	
* ACCURACY REQUIRED: ONE TENTH OF A SECOND						
* DATUM REQUIRED: WGS 84						
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE						

2. DRILLING & CASING INFORMATION	LICENSE NO. <b>1833</b>		NAME OF LICENSED DRILLER <b>Jason Maloy</b>			NAME OF WELL DRILLING COMPANY <b>Vision Resources</b>		
	DRILLING STARTED <b>3-9-2023</b>	DRILLING ENDED <b>3-9-2023</b>	DEPTH OF COMPLETED WELL (FT) <b>55</b>	BORE HOLE DEPTH (FT) <b>55</b>	DEPTH WATER FIRST ENCOUNTERED (FT) <b>Dry</b>			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) <b>Dry</b>		DATE STATIC MEASURED <b>Dry</b>	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:				CHECK HERE IF FITLESS ADAPTER IS INSTALLED <input type="checkbox"/>			
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
				<b>None</b>				

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <small>*(if using Centralizers for Artesian wells- indicate the spacing below)</small>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				


FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 09/22/2022)		
FILE NO.	<b>C-4712-POD 2</b>	POD NO.	<b>2</b>	TRN NO.	<b>743189</b>
LOCATION	<b>Mon 23.32.17.444</b>			WELL TAG ID NO.	<b>---</b>
					PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			Y	N	
	0	35	35	White Caliche	Y	(N)	
	35	55	55	Red Fine Sand Dry	Y	(N)	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
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					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): Dry		

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:  hole would not stay open past 35' Plugged no water	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:  OSE DJT APR 4 2023 PM 1:23		

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Jason Mahay

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO. C-4712-POD 2	POD NO. 2	TRN NO. 743189	PAGE 2 OF 2
LOCATION Mon 23.32.17.444	WELL TAG ID NO.		

Mike A. Hamman, P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

**STATE OF NEW MEXICO  
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 743189  
File Nbr: C 04712  
Well File Nbr: C 04712 POD2

Apr. 04, 2023

VERTEX RESOURCES  
P.O. BOX 936  
ROSWELL, NM 88202

Greetings:

The above numbered permit was issued in your name on 02/21/2023.

The Well Record was received in this office on 04/04/2023, stating that it had been completed on 03/09/2023, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 02/21/2024.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in black ink that reads "Maret Thompson".

Maret Thompson  
(575) 622-6521

drywell



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER  
www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) <del>C-04815</del> <b>POD 1</b>		WELL TAG ID NO.		OSE FILE NO(S) <del>C-4815-POD1</del>	
	WELL OWNER NAME(S) Devon Energy Resources				PHONE (OPTIONAL)	
	WELL OWNER MAILING ADDRESS 205 E. Bender Road #150				CITY Hobbs	STATE NM
					ZIP 88240	
WELL LOCATION (FROM GPS)		DEGREES LATITUDE 32	MINUTES 18	SECONDS 51.8	N	
		LONGITUDE -103	41	59.4	W	
* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84						
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE						


2. DRILLING & CASING INFORMATION	LICENSE NO. 1833		NAME OF LICENSED DRILLER Jason Malley			NAME OF WELL DRILLING COMPANY Vision Resources		
	DRILLING STARTED 4-16-24		DRILLING ENDED 4-16-24		DEPTH OF COMPLETED WELL (FT) 55'	BORE HOLE DEPTH (FT) 55'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 0'	DATE STATIC MEASURED 4-16-24	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	45	6"	PVC 2" SCH40	Thread	2"	SCH40	N/A
	45	55	6"	PVC 2" SCH40	Thread	2"	SCH40	.02
	USE DIT APP 25 2024 PM 2:37							

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				None pulled and plugged		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. <b>C-04815</b>	POD NO. <b>1</b>	TRN NO. <b>757440</b>
LOCATION <b>236.32E.08.143</b>	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	10	10'	Brown sand with caliche	Y ✓ N	
	10	30	20'	Tan fine sand with small rock	Y ✓ N	
	30	55	25'	Tan fine sand	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY: Dry hole					TOTAL ESTIMATED WELL YIELD (gpm): 0	
5. TEST, RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION:  <p style="text-align: right;">OSE OIT APR 25 2024 14:37</p>					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Jason Maley					
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:					
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME			Jason Maley		4/24/24 DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)			
FILE NO.	C-04815	POD NO.	1	TRN NO.	757440
LOCATION	235. 32E.08. 143	WELL TAG ID NO.		PAGE 2 OF 2	

Mike A. Hamman, P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

**STATE OF NEW MEXICO  
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 757440  
File Nbr: C 04815  
Well File Nbr: C 04815 POD1

Apr. 25, 2024

CHANCE DIXON  
VERTEX RESOURCE SERVICES INC  
3101 BOYD DRIVE  
CARLSBAD, NM 88220

Greetings:

The above numbered permit was issued in your name on 03/14/2024.

The Well Record was received in this office on 04/25/2024, stating that it had been completed on 04/16/2024, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 03/14/2025.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "Rodolfo Chavez".

Rodolfo Chavez  
(575) 622-6521

drywell



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) <b>C-04780 POD1</b>		WELL TAG ID NO.		OSE FILE NO(S) <b>C-04780 POD1</b>			
	WELL OWNER NAME(S) <b>EOG Resources</b>				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS <b>5509 Champions Dr</b>				CITY <b>Midland</b>	STATE <b>TX</b>	ZIP <b>79705</b>	
	WELL LOCATION (FROM GPS)	DEGREES <b>32</b>	MINUTES <b>15</b>	SECONDS <b>51.8862</b>	<b>N</b>	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE <b>-103</b>	<b>40</b>	<b>8.3748</b>	<b>W</b>	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
2. DRILLING & CASING INFORMATION	LICENSE NO. <b>WD-1706</b>		NAME OF LICENSED DRILLER <b>Bryce Wallace</b>			NAME OF WELL DRILLING COMPANY <b>Elite Drillers Corporation</b>		
	DRILLING STARTED <b>10/27/23</b>	DRILLING ENDED <b>10/27/23</b>	DEPTH OF COMPLETED WELL (FT) <b>80</b>	BORE HOLE DEPTH (FT) <b>80</b>	DEPTH WATER FIRST ENCOUNTERED (FT) <b>N/A</b>			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) <b>N/A</b>	DATE STATIC MEASURED <b>N/A</b>		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:				CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>			
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches) <b>6</b>	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen) <b>N/A</b>	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches) <b>6</b>	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <b>N/A</b>		AMOUNT (cubic feet)	METHOD OF PLACEMENT	

OSE 011 NOV 7 2023 09:15:01


FOR USE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)			
FILE NO.	<b>C-04780</b>	POD NO.	<b>1</b>	TRN NO.	<b>751921</b>
LOCATION	<b>23S. 32E. 34. 131</b>	WELL TAG ID NO.		PAGE 1 OF 2	

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	5	5	RED SAND/CALICHE	Y ✓ N	
	5	10	5	RED TAN SAND	Y ✓ N	
	10	15	5	RED TAN SAND W/ CALICHE	Y ✓ N	
	15	20	5	CALICHE W/ TAN SAND	Y ✓ N	
	20	25	5	RED TAN SAND W/ CALICHE	Y ✓ N	
	25	35	5	TAN SAND/SMALL CALICHE ROCK	Y ✓ N	
	35	80	45	TAN/RED SAND W/ SMALL CALICHE ROCK	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): <b>0.00</b>	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
		MISCELLANEOUS INFORMATION:  <div style="text-align: right; color: gray;">GSE 011 NOV 7 2023 PML130</div>
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
		 Bryce Wallace SIGNATURE OF DRILLER / PRINT SIGNEE NAME

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO. <b>C-04780</b>	POD NO. <b>1</b>	TRN NO. <b>751921</b>	
LOCATION <b>235.32E.34.131</b>	WELL TAG ID NO.	PAGE 2 OF 2	

Mike A. Hamman, P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

**STATE OF NEW MEXICO  
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 751921  
File Nbr: C 04780  
Well File Nbr: C 04780 POD1

Nov. 14, 2023

BLAKE GROOMS  
EOG RESOURCES  
5509 CHAMPIONS DR.  
MIDLAND, TX 79705

Greetings:

The above numbered permit was issued in your name on 10/11/2023.

The Well Record was received in this office on 11/07/2023, stating that it had been completed on 10/27/2023, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 10/10/2024.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in black ink that reads "Rodolfo Chavez".

Rodolfo Chavez  
(575) 622-6521

drywell



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) <b>C-4712-POD3</b>		WELL TAG ID NO.		OSE FILE NO(S). <b>C-4712</b>		
	WELL OWNER NAME(S) <b>Howard Petroleum Company</b>				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS <b>P.O. Box 936</b>				CITY <b>Roswell</b>	STATE <b>NM</b>	ZIP <b>88202</b>
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE <b>32</b>	MINUTES <b>17</b>	SECONDS <b>43.1</b>	N		* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84
		LONGITUDE <b>103</b>	<b>43</b>	<b>45.2</b>	W		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE							

2. DRILLING & CASING INFORMATION	LICENSE NO. <b>1833</b>	NAME OF LICENSED DRILLER <b>Jason Maley</b>			NAME OF WELL DRILLING COMPANY <b>Vision Resources</b>			
	DRILLING STARTED <b>3-9-2023</b>	DRILLING ENDED <b>3-9-2023</b>	DEPTH OF COMPLETED WELL (FT) <b>55</b>	BORE HOLE DEPTH (FT) <b>55</b>	DEPTH WATER FIRST ENCOUNTERED (FT) <b>Dry</b>			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) <b>Dry</b>	DATE STATIC MEASURED <b>Dry</b>		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:				CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>			
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	<b>0</b>	<b>45</b>	<b>8"</b>	<b>2" PVC S840</b>	<b>Thread</b>	<b>2"</b>	<b>Sch 40</b>	<b>—</b>
	<b>45</b>	<b>55</b>	<b>6"</b>	<b>2" PVC SCH 40 (screen)</b>	<b>Thread</b>	<b>2"</b>	<b>Sch 40</b>	<b>.02</b>
	OSE OFFICE 4-2023							

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				<b>None Pulled and Plugged</b>		

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)			
FILE NO.	<b>C-4712-POD3</b>	POD NO.	<b>3</b>	TRN NO.	<b>743189</b>
LOCATION	<b>Men 23.21.24.412</b>	WELL TAG ID NO.	<b>—</b>	PAGE 1 OF 2	



Mike A. Hamman, P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

**STATE OF NEW MEXICO  
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 743189  
File Nbr: C 04712  
Well File Nbr: C 04712 POD3

Apr. 04, 2023

VERTEX RESOURCES  
P.O. BOX 936  
ROSWELL, NM 88202

Greetings:

The above numbered permit was issued in your name on 02/21/2023.

The Well Record was received in this office on 04/04/2023, stating that it had been completed on 03/09/2023, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 02/21/2024.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in black ink that reads "Maret Thompson".

Maret Thompson  
(575) 622-6521

drywell



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE  
ROSWELL, NM 87203

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) <b>C-3555-9001</b>			OSE FILE NUMBER <b>C-3555</b>		
	WELL OWNER NAME(S) <b>Mark McCloy - McCloy Ranches</b>			PHONE (OPTIONAL) <b>432-940-4459</b>		
	WELL OWNER MAILING ADDRESS <b>Box 1076 254 Diamond Road</b>			CITY STATE ZIP <b>Jal NM 88252</b>		
	WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
	LATITUDE	<b>32</b>	<b>15</b>	<b>12.71</b>	N	
	LONGITUDE	<b>103</b>	<b>41</b>	<b>49.24</b>	W	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE <b>Hwy 128 mm 20 4 miles North - 1/4 east</b>						

2. DRILLING & CASING INFORMATION	LICENSE NUMBER <b>1654</b>	NAME OF LICENSED DRILLER <b>John Sirman</b>			NAME OF WELL DRILLING COMPANY <b>Sirman Drilling &amp; Const. LLC</b>			
	DRILLING STARTED <b>10/20/13</b>	DRILLING ENDED <b>10/21/13</b>	DEPTH OF COMPLETED WELL (FT) <b>600'0</b>	BORE HOLE DEPTH (FT) <b>600'0</b>	DEPTH WATER FIRST ENCOUNTERED (FT) <b>475-0</b>			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) <b>380'0</b>			
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD <input type="checkbox"/> ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	<b>0</b>	<b>460</b>	<b>10</b>	<b>PVC</b>	<b>Certa-Lok</b>	<b>6</b>	<b>DR-17</b>	<b>Blank</b>
	<b>460</b>	<b>520</b>	<b>10</b>	<b>PVC</b>	<b>Certa-Lok</b>	<b>6</b>	<b>DR-17</b>	<b>1032 screen</b>
	<b>520-600</b>		<b>10</b>	<b>PVC</b>	<b>Certa-Lok</b>	<b>6"</b>	<b>DR-17</b>	<b>Blank</b>

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	<b>0</b>	<b>20</b>	<b>10</b>	<b>3/8 bentonite hole plug</b>	<b>6 Bags</b>	<b>gravity</b>
	<b>34</b>	<b>600</b>	<b>10</b>	<b>3/8 pea gravel pack</b>	<b>4 yds</b>	<b>gravity</b>

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER	<b>C-3555</b>	POD NUMBER	<b>1</b>	TRN NUMBER	<b>534311</b>
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**24S.32E.05 1-2-2**

DEPTH (feet bgl)	THICKNESS (feet)		COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			
0	10	10	white caliche	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
10	60	50	Red sand	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
60	75	15	Brown sandstone	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
75	100	25	grey sandstone	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
100	110	10	Red clay	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
110	160	50	Brown sandstone	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
160	400	240	Red clay	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
400	450	50	Brown sandstone	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
450	475	25	Red clay	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
475	550	75	Brown sandstone & sand	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	5
550	600	50	Red clay	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N	
	600			<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N	
				<input type="checkbox"/> Y <input type="checkbox"/> N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:				<input checked="" type="checkbox"/> PUMP	TOTAL ESTIMATED WELL YIELD (gpm):
<input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					5

4. HYDROGEOLOGIC LOG OF WELL

STATE ENGINEER OFFICE  
RDM/wsl

**5. TEST, RIG SUPERVISION**

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION:  
*None*

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:  
*None*

**6. SIGNATURE**

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:

*John Serman*      *John Serman*      11/3/13  
SIGNATURE OF DRILLER / PRINT SIGNEE NAME      DATE

FOR OSE INTERNAL USE

FILE NUMBER	C-3555	POD NUMBER	1	TRN NUMBER	534311
245.32E.DS		1-2-2			



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

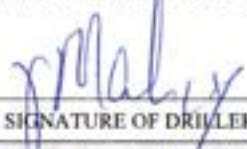
www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) <b>C-4712 POD 1</b>		WELL TAG ID NO.		OSE FILE NO(S) <b>C-4712</b>		
	WELL OWNER NAME(S) <b>Harvard Petroleum Company</b>				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS <b>PO Box 936</b>				CITY <b>Roswell</b>	STATE <b>NM</b>	ZIP <b>80202</b>
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE <b>32</b>	MINUTES <b>15</b>	SECONDS <b>46.1</b>	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
	LONGITUDE <b>-103</b>	<b>42</b>	<b>58.4</b>	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE							

2. DRILLING & CASING INFORMATION	LICENSE NO. <b>1833</b>	NAME OF LICENSED DRILLER <b>Jason Maley</b>			NAME OF WELL DRILLING COMPANY <b>Vision Resources</b>			
	DRILLING STARTED <b>Mar 9 2023</b>	DRILLING ENDED <b>3/9/23</b>	DEPTH OF COMPLETED WELL (FT) <b>55</b>	BORE HOLE DEPTH (FT) <b>55</b>	DEPTH WATER FIRST ENCOUNTERED (FT) <b>Dry</b>			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) <b>Dry</b>	DATE STATIC MEASURED <b>Dry</b>		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:				CHECK HERE IF FITLESS ADAPTER IS INSTALLED <input type="checkbox"/>			
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
<b>0</b>	<b>45</b>	<b>6</b>	<b>2" pvc sch 40</b>	<b>Thread</b>	<b>2"</b>	<b>Sch 40</b>	<b>-</b>	
<b>45</b>	<b>55</b>	<b>6</b>	<b>2" pvc sch 40</b>	<b>Tread</b>	<b>2"</b>	<b>Sch 40</b>	<b>.02</b>	
OSE OFF APR 4 2023 11:22								

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				<b>None Pulled And Plugged</b>		

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)			
FILE NO.	<b>C-4712-POD 1</b>	POD NO.	<b>1</b>	TRN NO.	<b>743189</b>
LOCATION	<b>Mon 23.32.31.141</b>			WELL TAG ID NO.	<b>-</b>
					PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			Y	N	
	0	20	20	White Calciche	Y	<input checked="" type="radio"/> N	
	20	45	25	Brown fine sand	Y	<input checked="" type="radio"/> N	
	45	55	10	Red sandy Calciche	Y	<input checked="" type="radio"/> N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): <u>Dry</u>		
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.					
	MISCELLANEOUS INFORMATION:  <p style="text-align: right;">OSE DTJ APR 4 2023 PM 1:23</p>						
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:							
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:						
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME				Jason Maley DATE		
FOR OSE INTERNAL USE				WR-20 WELL RECORD & LOG (Version 09/22/2022)			
FILE NO. <u>C-4712-P021</u>		POD NO. <u>1</u>		TRN NO. <u>743189</u>			
LOCATION <u>Wagon 23.32.31.141</u>			WELL TAG ID NO. _____		PAGE 2 OF 2		

Mike A. Hamman, P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

**STATE OF NEW MEXICO  
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 743189  
File Nbr: C 04712  
Well File Nbr: C 04712 POD1

Apr. 04, 2023

VERTEX RESOURCES  
P.O. BOX 936  
ROSWELL, NM 88202

Greetings:

The above numbered permit was issued in your name on 02/21/2023.

The Well Record was received in this office on 04/04/2023, stating that it had been completed on 03/09/2023, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 02/21/2024.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in cursive script that reads "Maret Thompson".

Maret Thompson  
(575) 622-6521

drywell



# WELL RECORD & LOG

## OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) <b>POD 1 (TW-1)</b>		WELL TAG ID NO. <b>N/A</b>		OSE FILE NO(S) <b>C-4704</b>		
	WELL OWNER NAME(S) <b>Devon Energy</b>				PHONE (OPTIONAL) <b>575-748-1838</b>		
	WELL OWNER MAILING ADDRESS <b>6488 7 Rivers Hwy</b>				CITY <b>Artesia</b>	STATE <b>NM</b>	ZIP <b>88210</b>
	WELL LOCATION (FROM GPS)	LATITUDE	DEGREES <b>32</b>	MINUTES <b>18</b>	SECONDS <b>31.26</b>	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84
		LONGITUDE	<b>103</b>	<b>43</b>	<b>36.7</b>		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE <b>SW NE NE Sec.13 T23S R31E NMPM</b>							

2. DRILLING & CASING INFORMATION	LICENSE NO. <b>1249</b>		NAME OF LICENSED DRILLER <b>Jackie D. Atkins</b>			NAME OF WELL DRILLING COMPANY <b>Atkins Engineering Associates, Inc.</b>		
	DRILLING STARTED <b>4/11/23</b>	DRILLING ENDED <b>4/11/23</b>	DEPTH OF COMPLETED WELL (FT) <b>Temporary Well Material</b>	BORE HOLE DEPTH (FT) <b>±55</b>	DEPTH WATER FIRST ENCOUNTERED (FT) <b>N/A</b>			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) <b>N/A</b>	DATE STATIC MEASURED <b>4/18/23</b>		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: <b>Hollow Stem Auger</b>					CHECK HERE IF FITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	<b>0</b>	<b>55</b>	<b>±6.25</b>	<b>Soil Boring</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				<b>N/A</b>		

FOR OSE INTERNAL USE				WR-20 WELL RECORD & LOG (Version 01/28/2022)			
FILE NO. <b>C-04704</b>		POD NO. <b>1</b>		TRN NO. <b>742173</b>			
LOCATION <b>Z8S. 31E. 13. 322</b>				WELL TAG ID NO.		PAGE 1 OF 2	





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USGS Water Resources

Data Category: Groundwater    Geographic Area: United States   

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Groundwater levels for the Nation

**I** Important: [Next Generation Monitoring Location Page](#)

**Search Results -- 1 sites found**

Agency code = usgs  
 site\_no list = 

- 321952103400801

Minimum number of levels = 1  
[Save file of selected sites](#) to local disk for future upload

**USGS 321952103400801 23S.32E.03.311114**

Lea County, New Mexico  
 Latitude 32°19'59.2", Longitude 103°40'12.6" NAD83  
 Land-surface elevation 3,648.00 feet above NGVD29  
 The depth of the well is 630 feet below land surface.  
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
 This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

**Output formats**

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1976-12-09			D 62610		3227.43	NGVD29	1		Z	
1976-12-09			D 62611		3229.14	NAVD88	1		Z	
1976-12-09			D 72019	420.57			1		Z	
1981-03-26			D 62610		3209.66	NGVD29	P		Z	
1981-03-26			D 62611		3211.37	NAVD88	P		Z	
1981-03-26			D 72019	438.34			P		Z	
1981-05-21			D 62610		3210.33	NGVD29	1		Z	
1981-05-21			D 62611		3212.04	NAVD88	1		Z	
1981-05-21			D 72019	437.67			1		Z	
1986-04-17			D 62610		3209.32	NGVD29	1		Z	
1986-04-17			D 62611		3211.03	NAVD88	1		Z	
1986-04-17			D 72019	438.68			1		Z	
1991-05-30			D 62610		3210.07	NGVD29	1		Z	
1991-05-30			D 62611		3211.78	NAVD88	1		Z	
1991-05-30			D 72019	437.93			1		Z	
1992-11-05			D 62610		3209.88	NGVD29	1		S	
1992-11-05			D 62611		3211.59	NAVD88	1		S	

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1992-11-05			D	72019	438.12				1	S
1996-03-15			D	62610		3210.18	NGVD29		1	S
1996-03-15			D	62611		3211.89	NAVD88		1	S
1996-03-15			D	72019	437.82				1	S
2013-01-17	01:00 UTC		m	62610		3161.40	NGVD29		P	S USGS
2013-01-17	01:00 UTC		m	62611		3163.11	NAVD88		P	S USGS
2013-01-17	01:00 UTC		m	72019	486.60				P	S USGS

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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**Title: Groundwater for USA: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2024-09-05 14:59:20 EDT

0.34 0.25 nadww01



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

OSE 011 F03 26 2024 PM 2:04

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C4790-POD1		WELL TAG ID NO. C4790		OSE FILE NO(S) C04790			
	WELL OWNER NAME(S) Devon Energy Resources				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 205 E Bender Road #150				CITY Hobbs	STATE NM	ZIP 88240	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 16	SECONDS 6.708	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
LONGITUDE -103 43 59.556 W								
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1833		NAME OF LICENSED DRILLER Jason Maley			NAME OF WELL DRILLING COMPANY Vision Resources		
	DRILLING STARTED 2-6-24	DRILLING ENDED 2-6-24	DEPTH OF COMPLETED WELL (FT) 55'	BORE HOLE DEPTH (FT) 55'	DEPTH WATER FIRST ENCOUNTERED (FT) Dry			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 0'	DATE STATIC MEASURED 2-10-24		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF FITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	45'	6"	2" PVC SCH40	Thread	2"	SCH40	N/A
	45'	55'	6"	2" PVC SCH40	Thread	2"	SCH40	.02
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				None Pulled and plugged				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

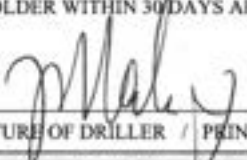
FILE NO. <b>C-04790</b>	POD NO. <b>1</b>	TRN NO. <b>753931</b>
LOCATION <b>235.31E.26.443</b>	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	40'	40'	Red dirt with small rocks	Y ✓ N	
	40'	55'	15'	Tan fine sand with small rocks	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY: Dry					TOTAL ESTIMATED WELL YIELD (gpm): 0	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION:	OSE OIT FEB 26 2024 PM2:04
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 SIGNATURE OF DRILLER / PRINT SIGNED NAME	Jason Maley DATE: 2/21/24

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO. C-04790	POD NO.	TRN NO. 753931	
LOCATION 235.31E.25.443	WELL TAG ID NO.		PAGE 2 OF 2



# WELL RECORD & LOG *Todd 23 Fed*

OFFICE OF THE STATE ENGINEER  
www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) <del>4774</del> <b>POD 1</b>		WELL TAG ID NO. <b>NA</b>		OSE FILE NO(S) C04774			
	WELL OWNER NAME(S) Devon Energy Resources				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 205 E. Bender Road # 150				CITY Hobbs	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	LATITUDE	DEGREES 32	MINUTES 17	SECONDS 42.8604	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE	103	44	30.8436	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1833	NAME OF LICENSED DRILLER Jason Maley			NAME OF WELL DRILLING COMPANY Vision Resources			
	DRILLING STARTED 12-14-23	DRILLING ENDED 12-14-23	DEPTH OF COMPLETED WELL (FT) 105'	BORE HOLE DEPTH (FT) 105'	DEPTH WATER FIRST ENCOUNTERED (FT) Dry			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 12-17-23		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	95'	6"	2" PVC SCH40	Thread	2'	SCH40	N/A
	95'	105'	6"	2" PVC SCH40	Thread	2'	SCH40	.02
	OSE DTL JAN 17 2024 PWL:52							
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*if using Centralizers for Artesian wells- indicate the spacing below</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				None Palled and Plugged				

FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. <b>C-4774-POD 1</b>	POD NO. <b>1</b>	TRN NO. <b>751178</b>
LOCATION <b>Exp 23.31.23.422</b>	WELL TAG ID NO. _____	PAGE 1 OF 2



Mike A. Hamman, P.E.  
State Engineer



Well Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

**STATE OF NEW MEXICO  
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 751178  
File Nbr: C 04774  
Well File Nbr: C 04774 POD1

Jan. 12, 2024

DALE WOODALL  
DEVON ENGERGY RESOURCES  
205 E BENDER ROAD #150  
HOBBS, NM 88240

Greetings:

The above numbered permit was issued in your name on 09/19/2023.

The Well Record was received in this office on 01/12/2024, stating that it had been completed on 12/14/2023, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 09/18/2024.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in cursive script, appearing to read "Mardt Thompson".

Mardt Thompson  
(575) 622-6521

drywell



**WELL RECORD & LOG**  
**OFFICE OF THE STATE ENGINEER**  
 www.ose.state.nm.us

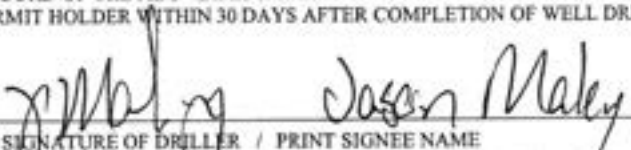
*Mesa Verde bed.*

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) <b>C-4775 POD1</b>		WELL TAG ID NO. <b>NA</b>		OSE FILE NO(S) C04775	
	WELL OWNER NAME(S) Devon Energy Resources				PHONE (OPTIONAL)	
	WELL OWNER MAILING ADDRESS 205 E. Bender Road # 150				CITY Hobbs	STATE NM
					ZIP 88240	
WELL LOCATION (FROM GPS)		DEGREES 32	MINUTES 14	SECONDS 26.8944	N	
		LONGITUDE -103	42	26.1864	W	
* ACCURACY REQUIRED: ONE TENTH OF A SECOND						
* DATUM REQUIRED: WGS 84						
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE						

2. DRILLING & CASING INFORMATION	LICENSE NO. 1833		NAME OF LICENSED DRILLER Jason Maley			NAME OF WELL DRILLING COMPANY Vision Resources		
	DRILLING STARTED 12-14-23		DRILLING ENDED 12-14-23		DEPTH OF COMPLETED WELL (FT) 105'	BORE HOLE DEPTH (FT) 105'	DEPTH WATER FIRST ENCOUNTERED (FT) Dry	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) Dry	DATE STATIC MEASURED 12-18-23	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:						CHECK HERE IF FITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	95'	6"	2" PVC SCH40	Thread	2"	SCH40	N/A
	95'	105'	6"	2" PVC SCH40	Thread	2"	SCH40	.05
	OSE OIT JAN 12 2024 PM 1:53							

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				Nose Pulled and Plugged		

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)			
FILE NO. <b>C-4775-POD1</b>	POD NO. <b>1</b>	TRN NO. <b>751179</b>			
LOCATION <b>Expl 24.32.06.444</b>			WELL TAG ID NO. <b>NA</b>	PAGE 1 OF 2	

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	10'	10'	Red coarse sand	Y ✓ N	
	10'	30'	20'	Tan Fine sand wih coarse rock	Y ✓ N	
	30'	40'	10'	Red sand with white caliche	Y ✓ N	
	40'	60'	20'	Tan sand with white caliche	Y ✓ N	
	60'	80'	20'	Red sand with small rock	Y ✓ N	
	80'	105'	25'	Tan fine sand with caliche	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY: Dry					TOTAL ESTIMATED WELL YIELD (gpm): 0	
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: <p style="text-align: right;">OSE DIT JAN 12 2024 PM 1:53</p>					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:						
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:					
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME				<u>1/10/24</u> DATE	

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)			
FILE NO	C-4775-70D 1	POD NO.	1	TRN NO.	751179
LOCATION	Exp 2432.06.444	WELL TAG ID NO	—		PAGE 2 OF 2

Mike A. Hamman, P.E.  
State Engineer



Well Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

**STATE OF NEW MEXICO  
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 751179  
File Nbr: C 04775  
Well File Nbr: C 04775 POD1

Jan. 12, 2024

DALE WOODALL  
DEVON ENERGY RESOURCES  
205 E BENDER ROAD #150  
HOBBS, NM 88240

Greetings:

The above numbered permit was issued in your name on 09/19/2023.

The Well Record was received in this office on 01/12/2024, stating that it had been completed on 12/14/2023, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 09/18/2024.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in black ink that reads "Maret Thompson".

Maret Thompson  
(575) 622-6521

drywell



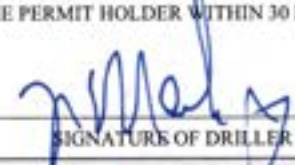
# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) <del>6476</del> POD 1		WELL TAG ID NO.		OSE FILE NO(S) <b>C-4746</b>			
	WELL OWNER NAME(S) Devon Energy Resources				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 205 E Bender Road #150				CITY Hobbs	STATE NM	ZIP 88240	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 15'	SECONDS 18.5" N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE 103	44'	03.4" W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1833		NAME OF LICENSED DRILLER Jason Maley			NAME OF WELL DRILLING COMPANY Vision Resources		
	DRILLING STARTED 6-1-23	DRILLING ENDED 6-1-23	DEPTH OF COMPLETED WELL (FT) 105'	BORE HOLE DEPTH (FT) 105'	DEPTH WATER FIRST ENCOUNTERED (FT) Dry			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) Dry	DATE STATIC MEASURED		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF FITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	100	6	2" PVC SCH 40	Thread	2"	SCH 40	-
	100	105	6	2" PVC SCH 40	Thread	2"	SCH 40	.02
	<div style="text-align: right; font-size: small;">OSE DTJUN 3 2023 2102:03</div>							
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				None pulled and plugged				

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 09/22/2022)		
FILE NO. <b>C-4746</b>	POD NO. <b>1</b>	TRN NO. <b>147203</b>			
LOCATION <b>235, 31E, 36 3 4 3</b>	WELL TAG ID NO. <b>NA</b>	PAGE 1 OF 2			

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	10	10	Red sand/White Caliche	Y ✓ N	
	10	20	10	White Caliche	Y ✓ N	
	20	80	60	Light Tan fine sand	Y ✓ N	
	80	105	25	Brown fine sand	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0	
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: <div style="text-align: right;">05E DT JUN 13 2023 09:2:00</div>					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Jason Maley						
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:					
	 SIGNATURES OF DRILLER / PRINT SIGNEE NAME			Jason Maley DATE: 6-7-23		

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO. C-4746	POD NO. 1	TRN NO. 747 203	
LOCATION 235-316.36 343	WELL TAG ID NO. NA	PAGE 2 OF 2	



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) <b>C-4712 POD4</b>		WELL TAG ID NO.		OSE FILE NO(S) <b>C-4712</b>	
	WELL OWNER NAME(S) <b>Harvard Petroleum Company</b>				PHONE (OPTIONAL)	
	WELL OWNER MAILING ADDRESS <b>PO Box 936</b>				CITY <b>Reswell</b>	STATE <b>NM</b>
					ZIP <b>88202</b>	
WELL LOCATION (FROM GPS)		DEGREES <b>32</b>	MINUTES <b>17</b>	SECONDS <b>58.2</b>	N	
		LONGITUDE <b>103</b>	<b>45</b>	<b>05.8</b>	W	
* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84						
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE						

2. DRILLING & CASING INFORMATION	LICENSE NO. <b>1833</b>		NAME OF LICENSED DRILLER <b>Jason Maley</b>			NAME OF WELL DRILLING COMPANY <b>Vision Resources</b>		
	DRILLING STARTED <b>3/9/25</b>	DRILLING ENDED <b>3/9/23</b>	DEPTH OF COMPLETED WELL (FT) <b>55</b>	BORE HOLE DEPTH (FT) <b>55</b>	DEPTH WATER FIRST ENCOUNTERED (FT) <b>Dry</b>			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) <b>Dry</b>	DATE STATIC MEASURED		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:				CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>			
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	<b>0</b>	<b>45</b>	<b>6</b>	<b>2" pvc sch 40</b>	<b>Thread</b>	<b>2"</b>	<b>sch 40</b>	<b>-</b>
	<b>45</b>	<b>55</b>						
	OSE 011 APR 4 2023 PM 1:23							

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE - RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT	
	FROM	TO					
				<b>None Potted And Plugged</b>			

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO. <b>C-4712-POD4</b>	POD NO. <b>4</b>	TRN NO. <b>743189</b>	
LOCATION <b>Non 23.31.14.143</b>	WELL TAG ID NO. <b>---</b>	PAGE 1 OF 2	

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			Y	N	
	0	25	25	White Caliche	Y	N	
	25	55	30	Red Sand And Caliche	Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): <u>Dry</u>		
5. TEST; RIG SUPERVISION	WELL TEST    TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.						
	MISCELLANEOUS INFORMATION:  <p style="text-align: right;">OSE DJT APR 4 2023 PM 1:23</p>						
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:							
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:						
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME    Jason Maley				<u>3/24/23</u> DATE		

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO. <u>C-4712-POD 4</u>	POD NO. <u>4</u>	TRN NO. <u>743189</u>	
LOCATION <u>Wan 23.31.14.143</u>	WELL TAG ID NO. <u>—</u>	PAGE 2 OF 2	

Mike A. Hamman, P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

**STATE OF NEW MEXICO  
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 743189  
File Nbr: C 04712  
Well File Nbr: C 04712 POD4

Apr. 04, 2023

VERTEX RESOURCES  
P.O. BOX 936  
ROSWELL, NM 88202

Greetings:

The above numbered permit was issued in your name on 02/21/2023.

The Well Record was received in this office on 04/04/2023, stating that it had been completed on 03/09/2023, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 02/21/2024.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in cursive script that reads "Maret Thompson".

Maret Thompson  
(575) 622-6521

drywell



# WELL RECORD & LOG

**OFFICE OF THE STATE ENGINEER**  
www.ose.state.nm.us

<b>1. GENERAL AND WELL LOCATION</b>	OSE POD NO. (WELL NO.) C-04672 POD 1		WELL TAG ID NO.		OSE FILE NO(S) C-04672			
	WELL OWNER NAME(S) OXY US INC				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS PO BOX 4294				CITY HOUSTON	STATE TX	ZIP 77210	
	WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS		* ACCURACY REQUIRED- ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
		LATITUDE	32	14				41.51 N
	LONGITUDE	-103	43	43.43 W				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE PROXIMITY 31								
<b>2. DRILLING &amp; CASING INFORMATION</b>	LICENSE NO. WD-1184	NAME OF LICENSED DRILLER RUSSELL SOUTHERLAND			NAME OF WELL DRILLING COMPANY WEST TEXAS WATER WELL SERVICE			
	DRILLING STARTED 09/01/2022	DRILLING ENDED 09/01/2022	DEPTH OF COMPLETED WELL (FT) 110	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A			
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
				NO CASING IN HOLE				
<b>3. ANNULAR MATERIAL</b>	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				N/A				

USE OF SEP 26 2022 03:28

FOR USE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/19)			
FILE NO.	C-4672	POD NO.	1	TRN NO.	134614
LOCATION	245. 31E. 01	214	WELL TAG ID NO.	PAGE 1 OF 2	

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)		ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO			Y	N	
	0	10		RED SAND, TOPSOIL	Y	✓ N	
	10	20		CALICHE	Y	✓ N	
	20	37		RED SANDY CLAY	Y	✓ N	
	37	40		SANDSTONE	Y	✓ N	
	40	50		LIGHT RED SANDY CLAY	Y	✓ N	
	50	78		RED CLAY W/ SANDSTONE	Y	✓ N	
	78	88		RED CLAY	Y	✓ N	
	88	91		SANDSTONE	Y	✓ N	
	91	93		RED CLAY	Y	✓ N	
	93	100		SANDSTONE	Y	✓ N	
	100	110		RED SANDSTONE	Y	✓ N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
					Y	N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):		
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER - SPECIFY: DRY HOLE					0.00		

5. TEST; RIG SUPERVISION	WELL TEST    TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.  MISCELLANEOUS INFORMATION:  <div style="text-align: right;">OSE DJJ SEP 26 2022 09:3:23</div>
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: RUSSELL SOUTHERLAND

6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.  <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;">                       _____                      SIGNATURE OF DRILLER / PRINT SIGNEE NAME                 </div> <div style="width: 35%; text-align: center;">                     RUSSELL SOUTHERLAND                       09/01/2022                      _____                      DATE                 </div> </div>
--------------	---

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO. <u>C-4672</u>	POD NO. <u>1</u>	TRN NO. <u>734614</u>	
LOCATION <u>245.316.01 214</u>	WELL TAG ID NO.	PAGE 2 OF 2	



Mike A. Hamman, P.E.  
State Engineer

Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

STATE OF NEW MEXICO  
OFFICE OF THE STATE ENGINEER

Trn Nbr: 734614  
File Nbr: C 04672  
Well File Nbr: C 04672 POD 1

Oct. 04, 2022

BEAUX JENNINGS  
ENSOLUM LLC  
601 N. MARIENFELD ST SUITE 400  
MIDLAND, TX 79701

Greetings:

The above numbered permit was issued in your name on 09/22/2022.

The Well Record was received in this office on 09/26/2022, stating that it had been completed on 09/01/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 09/22/2023.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in cursive script that reads "Vanessa Clements".

Vanessa Clements  
(575) 622-6521

drywell

Mike A. Hamman, P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

STATE OF NEW MEXICO  
OFFICE OF THE STATE ENGINEER

Trn Nbr: 734614  
File Nbr: C 04672  
Well File Nbr: C 04672 POD 1

Oct. 04, 2022

WADE DITTRICH  
OXY USA INC.  
P.O. BOX 4294  
HOUSTON, TX 77210

Greetings:

The above numbered permit was issued in your name on 09/22/2022.

The Well Record was received in this office on 09/26/2022, stating that it had been completed on 09/01/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 09/22/2023.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in cursive script that reads "Vanessa Clements".

Vanessa Clements  
(575) 622-6521

drywell



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USGS Water Resources

Data Category: Groundwater Geographic Area: United States

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Search Results -- 1 sites found

Agency code = usgs  
site\_no list =  
• 321609103445901

Minimum number of levels = 1  
[Save file of selected sites](#) to local disk for future upload

**USGS 321609103445901 23S.31E.26.34411**

Eddy County, New Mexico  
Latitude 32°16'11.9", Longitude 103°45'01.2" NAD83  
Land-surface elevation 3,451.00 feet above NGVD29  
The depth of the well is 365 feet below land surface.  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Dewey Lake Redbeds (312DYLK) local aquifer.

**Output formats**

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measur
1959-02-04			D 62610		3194.13	NGVD29	P	Z		
1959-02-04			D 62611		3195.83	NAVD88	P	Z		
1959-02-04			D 72019	256.87			P	Z		
1972-09-20			D 62610		3200.53	NGVD29	1	Z		
1972-09-20			D 62611		3202.23	NAVD88	1	Z		
1972-09-20			D 72019	250.47			1	Z		
1988-03-17			D 62610		3201.98	NGVD29	1	S		
1988-03-17			D 62611		3203.68	NAVD88	1	S		
1988-03-17			D 72019	249.02			1	S		
2013-01-17	00:00 UTC		m 62610		3349.45	NGVD29	P	S	USGS	
2013-01-17	00:00 UTC		m 62611		3351.15	NAVD88	P	S	USGS	
2013-01-17	00:00 UTC		m 72019	101.55			P	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day

Section	Code	Description
Water-level date-time accuracy	m	Date is accurate to the Minute
<a href="#">Parameter code</a>	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
<a href="#">Parameter code</a>	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
<a href="#">Referenced vertical datum</a>	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
<a href="#">Status</a>	P	Pumping
Method of measurement	S	Steel-tape measurement.
<a href="#">Method of measurement</a>	Z	Other.
Measuring agency		Not determined
<a href="#">Measuring agency</a>	USGS	U.S. Geological Survey
Source of measurement		Not determined
<a href="#">Source of measurement</a>	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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**Title: Groundwater for USA: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2024-09-05 18:12:37 EDT

0.31 0.22 nadww01



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE  
ROSWELL, NEW MEXICO

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) <b>C-2348-</b>			OSE FILE NUMBER(S) <b>2013 NOV - 71A 11.11</b> <b>C-2348</b>		
	WELL OWNER NAME(S) <b>MARK McCloy - McCloy Ranches</b>			PHONE (OPTIONAL) <b>432-940-4459</b>		
	WELL OWNER MAILING ADDRESS <b>P.O. Box 1076 254 Diamond Rd</b>			CITY <b>Tal</b>	STATE <b>NM</b>	ZIP <b>88252</b>
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE <b>32</b>	MINUTES <b>16</b>	SECONDS <b>12.91</b>	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
		LONGITUDE <b>103</b>	<b>45</b>	<b>03.61</b>		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE <b>Hwy 128 to 18 mm 1 mile N 1/2 mile west on Red Road</b>						

2. DRILLING & CASING INFORMATION	LICENSE NUMBER <b>1654</b>	NAME OF LICENSED DRILLER <b>John Sireman</b>			NAME OF WELL DRILLING COMPANY <b>Sireman Drilling + Const. LLC</b>			
	DRILLING STARTED <b>10/31/13</b>	DRILLING ENDED <b>11/1/13</b>	DEPTH OF COMPLETED WELL (FT) <b>700'-0</b>	BORE HOLE DEPTH (FT) <b>700'-0</b>	DEPTH WATER FIRST ENCOUNTERED (FT) <b>575-600</b>			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) <b>430'-0</b>			
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD <input type="checkbox"/> ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input checked="" type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	<b>0</b>	<b>560</b>	<b>10</b>	<b>PVC</b>	<b>Certa-lok</b>	<b>6</b>	<b>DR-17</b>	<b>Blank</b>
	<b>560</b>	<b>620</b>	<b>10</b>	<b>PVC</b>	<b>Certa Lok</b>	<b>6</b>	<b>DR-17</b>	<b>1032 screen</b>
	<b>620</b>	<b>680</b>	<b>10</b>	<b>PVC</b>	<b>Certelok</b>	<b>6</b>	<b>DR-17</b>	<b>Blank</b>
<b>680</b>	<b>700</b>	<b>10</b>	<b>PVC</b>	<b>Certa lok</b>	<b>6</b>	<b>DR-17</b>	<b>1032 screen</b>	

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	<b>0</b>	<b>20</b>	<b>10</b>	<b>3/8 bentonite hole plug</b>	<b>6 bags</b>	<b>gravity</b>
	<b>67</b>	<b>700</b>	<b>10</b>	<b>3/8 pea gravel</b>	<b>5yds</b>	<b>gravity</b>

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

FILE NUMBER <b>C-2348</b>	POD NUMBER <b>1</b>	TRN NUMBER <b>491413</b>
LOCATION <b>C</b>	<b>235.31E.26.3-4-1</b>	<b>Livestock</b>





# WELL RECORD & LOG

**OFFICE OF THE STATE ENGINEER**  
www.ose.state.nm.us

O&E OFF APR 27 2023 4:03:24

<b>1. GENERAL AND WELL LOCATION</b>	OSE POD NO. (WELL NO.) <b>POD 1 (TW-1)</b>		WELL TAG ID NO. <b>N/A</b>		OSE FILE NO(S). <b>C-4726</b>			
	WELL OWNER NAME(S) <b>Devon Energy</b>				PHONE (OPTIONAL) <b>575-748-1838</b>			
	WELL OWNER MAILING ADDRESS <b>6488 7 Rivers Hwy</b>				CITY <b>Artesia</b>	STATE <b>NM</b>	ZIP <b>88210</b>	
	WELL LOCATION (FROM GPS)	LATITUDE	DEGREES <b>32</b>	MINUTES <b>20</b>	SECONDS <b>23.65</b>	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE	<b>103</b>	<b>43</b>	<b>47.22</b>	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE <b>NW L2 Sec.1 T23S R31E NMPM</b>								
<b>2. DRILLING &amp; CASING INFORMATION</b>	LICENSE NO. <b>1249</b>		NAME OF LICENSED DRILLER <b>Jackie D. Atkins</b>			NAME OF WELL DRILLING COMPANY <b>Atkins Engineering Associates, Inc.</b>		
	DRILLING STARTED <b>4/17/23</b>	DRILLING ENDED <b>4/17/23</b>	DEPTH OF COMPLETED WELL (FT) <b>Temporary Well Material</b>	BORE HOLE DEPTH (FT) <b>+55</b>	DEPTH WATER FIRST ENCOUNTERED (FT) <b>N/A</b>			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) <b>N/A</b>	DATE STATIC MEASURED <b>4/25/23</b>		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: <b>Hollow Stem Auger</b>					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	<b>0</b>	<b>55</b>	<b>±6.25</b>	<b>Soil Boring</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>3. ANNULAR MATERIAL</b>	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				<b>N/A</b>				

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 01/28/2022)		
FILE NO.	<b>C-04726</b>	POD NO.	<b>1</b>	TRN NO.	<b>745169</b>
LOCATION	<b>23S.31E.01.114</b>	WELL TAG ID NO.		PAGE 1 OF 2	

4. HYDROGEOLOGIC LOG OF WELL.	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES <b>(attach supplemental sheets to fully describe all units)</b>	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	9	9	Sand, medium-fine grained, poorly, graded, unconsolidated, brown	Y ✓ N	
	9	14	5	Sand, medium-fine grained, poorly, graded, semi-consolidated, brown	Y ✓ N	
	14	20	6	Sand, medium-fine grained, poorly, graded, unconsolidated, tan	Y ✓ N	
	20	45	25	Sand, fine grained, poorly, graded, unconsolidated, tan	Y ✓ N	
	45	55	10	Clay, stiff, with very-fine silt, reddish brown	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm):      0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. 10 Tomb Raider 1 Fed 1 <span style="float: right; color: blue;">OCD 011 APR 27 2023 PM 0:24</span>	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 JACKIE D. ATKINS SIGNATURE OF DRILLER / PRINT SIGNEE NAME	4/26/23 DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO. <b>C-04726</b>	POD NO. <b>1</b>	TRN NO. <b>745169</b>	
LOCATION <b>235. 31E. 01. 114</b>	WELL TAG ID NO.	PAGE 2 OF 2	



# WELL RECORD & LOG

## OFFICE OF THE STATE ENGINEER

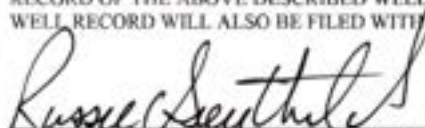
[www.ose.state.nm.us](http://www.ose.state.nm.us)

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-04663 POD 1		WELL TAG ID NO.		OSE FILE NO(S) C-04663	
	WELL OWNER NAME(S) OXY US INC				PHONE (OPTIONAL)	
	WELL OWNER MAILING ADDRESS PO BOX 4294				CITY HOUSTON	STATE TX
					ZIP 77210	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 21	SECONDS 12.43	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND
	LONGITUDE -103	42	43.74	W	* DATUM REQUIRED: WGS 84	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE PROXIMITY 31						

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1184	NAME OF LICENSED DRILLER RUSSELL SOUTHERLAND			NAME OF WELL DRILLING COMPANY WEST TEXAS WATER WELL SERVICE			
	DRILLING STARTED 09/01/2022	DRILLING ENDED 09/01/2022	DEPTH OF COMPLETED WELL (FT) 110	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A			
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
				NO CASING IN HOLE				

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				N/A		

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 04/30/19)		
FILE NO. <b>C-04663</b>	POD NO. <b>1</b>	TRN NO. <b>732427</b>			
LOCATION <b>27S. 32E. 31. 3. 1. 2</b>			WELL TAG ID NO. <b>---</b>	PAGE 1 OF 2	

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	10		RED SAND	Y ✓ N	
	10	14		CALICHE	Y ✓ N	
	14	17		RED SAND	Y ✓ N	
	17	40		RED SANDY CLAY	Y ✓ N	
	40	90		SANDSTONE	Y ✓ N	
	90	97		RED CLAY	Y ✓ N	
	97	100		SANDSTONE	Y ✓ N	
	100	110		RED CLAY WITH SANDSTONE	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER - SPECIFY: DRY HOLE					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION:  <p style="text-align: right;">05E D11 SEP 20 2022 PM 1:31</p>					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: RUSSELL SOUTHERLAND						
6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.					
	 _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME				_____ DATE	

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO. C-04663	POD NO. 1	TRN NO. 732427	
LOCATION 225. 32E, 31.3.1.2	WELL TAG ID NO. _____	PAGE 2 OF 2	



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

4-23-12

*Corrected well log*

1. GENERAL AND WELL LOCATION	POD NUMBER (WELL NUMBER) <b>C-03528-POD1</b>				OSE FILE NUMBER(S) <b>C-03528-POD1</b>									
	WELL OWNER NAME(S) <b>MARK &amp; ANNETTE MCCLOY</b>				PHONE (OPTIONAL) <b>432-940-4459</b>									
	WELL OWNER MAILING ADDRESS <b>PO BOX 1076</b>				CITY <b>JAL</b>		STATE <b>NM</b>		ZIP <b>88252</b>					
	WELL LOCATION (FROM GPS)		DEGREES <b>32</b>		MINUTES <b>13</b>		SECONDS <b>29.00 N</b>		* ACCURACY REQUIRED: ONE TENTH OF A SECOND					
			LONGITUDE <b>103</b>		<b>39</b>		<b>44.60 W</b>		* DATUM REQUIRED: WGS 84					
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS <i>Coordinates Based on map (Non-GPS)</i>														
2. OPTIONAL	(2.5 ACRE) <b>NW 1/4</b>		(10 ACRE) <b>NW 1/4</b>		(40 ACRE) <b>NW 1/4</b>		(160 ACRE) <b>NE 1/4</b>		SECTION <b>15</b>					
	TOWNSHIP <b>24</b>		RANGE <b>32</b>		<input type="checkbox"/> NORTH <input checked="" type="checkbox"/> SOUTH		<input checked="" type="checkbox"/> EAST <input type="checkbox"/> WEST		BLOCK NUMBER					
	SUBDIVISION NAME				LOT NUMBER		MAP NUMBER		TRACT NUMBER					
HYDROGRAPHIC SURVEY														
3. DRILLING INFORMATION	LICENSE NUMBER <b>WD1682</b>			NAME OF LICENSED DRILLER <b>JOHN NORRIS</b>			NAME OF WELL DRILLING COMPANY <b>HUNGRY HORSE, LLC</b>							
	DRILLING STARTED <b>2-20-12</b>		DRILLING ENDED <b>3-12-12</b>		DEPTH OF COMPLETED WELL (FT) <b>541</b>		BORE HOLE DEPTH (FT) <b>541</b>		DEPTH WATER FIRST ENCOUNTERED (FT) <b>133</b>					
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)													
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD <input type="checkbox"/> ADDITIVES - SPECIFY:													
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:													
	DEPTH (FT)		BORE HOLE DIA. (IN)		CASING MATERIAL		CONNECTION TYPE (CASING)		INSIDE DIA. CASING (IN)		CASING WALL THICKNESS (IN)		SLOT SIZE (IN)	
	FROM	TO												
0	541	8 3/4		PVC		GLUED		6"		3/8		1/8		
FORMATION DESCRIPTION OF PRINCIPAL WATER-BEARING STRATA (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)														
DEPTH (FT)		THICKNESS (FT)		FORMATION DESCRIPTION OF PRINCIPAL WATER-BEARING STRATA (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)						YIELD (GPM)				
FROM	TO			SAND						UK				
133	152	19												
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA <b>N/A</b>										TOTAL ESTIMATED WELL YIELD (GPM)				

APR 30 11:41 AM 2012  
STATE ENGINEER'S OFFICE  
OSWELL

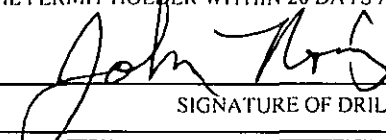
FOR OSE INTERNAL USE				WELL RECORD & LOG (Version 6/9/08)			
FILE NUMBER <b>C-3528</b>		POD NUMBER <b>C-03528-POD1</b>		TRN NUMBER <b>491386</b>			
LOCATION <b>24.32.15.2111</b>						PAGE 1 OF 2	

<b>5. SEAL AND PUMP</b>	TYPE OF PUMP: <input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> JET <input type="checkbox"/> NO PUMP - WELL NOT EQUIPPED <input type="checkbox"/> TURBINE <input type="checkbox"/> CYLINDER <input type="checkbox"/> OTHER - SPECIFY: UNKNOWN						
	ANNULAR SEAL AND GRAVEL PACK	DEPTH (FT)		BORE HOLE DIA. (IN)	MATERIAL TYPE AND SIZE	AMOUNT (CUBIC FT)	METHOD OF PLACEMENT
		FROM	TO				
		0	20	8 3/4	GROUT & CEMENT	8	TOP

<b>6. GEOLOGIC LOG OF WELL</b>	DEPTH (FT)		THICKNESS (FT)	COLOR AND TYPE OF MATERIAL ENCOUNTERED (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	WATER BEARING?	
	FROM	TO			<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	0	3	3	TOPSOIL	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	3	18	15	CALICHE	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	18	26	8	SAND	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
	26	133	107	RED CLAY	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	133	152	19	SAND	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
	152	318	166	RED CLAY	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	318	345	27	SAND	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
	345	384	39	RED CLAY AND ROCK	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	384	418	34	SAND	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
	418	444	26	RED CLAY AND ROCK	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	444	468	24	SAND	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
	468	500	32	RED CLAY	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	500	508	8	SAND	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
508	541	33	RED CLAY AND ROCK	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	
				<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> YES	<input type="checkbox"/> NO	
				<input type="checkbox"/> YES	<input type="checkbox"/> NO	

ATTACH ADDITIONAL PAGES AS NEEDED TO FULLY DESCRIBE THE GEOLOGIC LOG OF THE WELL

<b>7. TEST &amp; ADDITIONAL INFO</b>	WELL TEST	METHOD: <input type="checkbox"/> BAILER <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> OTHER - SPECIFY: N/A
		TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	ADDITIONAL STATEMENTS OR EXPLANATIONS:	

<b>8. SIGNATURE</b>	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 _____ SIGNATURE OF DRILLER	4-23-12 _____ DATE

FOR OSE INTERNAL USE		WELL RECORD & LOG (Version 6/9/08)	
FILE NUMBER <b>C-3528</b>	POD NUMBER <b>C-03528-POD1</b>	TRN NUMBER <b>491386</b>	
LOCATION <b>24.32.15.2111</b>			PAGE 2 OF 2

**Locator Tool Report**

**General Information:**

Application ID:29                      Date: 04-03-2012                      Time: 08:10:09

WR File Number: C-03528-POD1  
Purpose: POINT OF DIVERSION

Applicant First Name: MARK & ANNETTE MCCLOY  
Applicant Last Name: NEW STOCK WELL (COTTON PLACE)(WELL LOG LOCATION)

GW Basin: CARLSBAD  
County: LEA

*(Based on Application  
not Driller GPS)*

Critical Management Area Name(s): NONE  
Special Condition Area Name(s): NONE  
Land Grant Name: NON GRANT

**PLSS Description (New Mexico Principal Meridian):**

NW 1/4 of NW 1/4 of NW 1/4 of NE 1/4 of Section 15, Township 24S, Range 32E.

**Coordinate System Details:**

**Geographic Coordinates:**

Latitude:        32 Degrees 13 Minutes 29.0 Seconds N  
Longitude:      103 Degrees 39 Minutes 44.6 Seconds W

**Universal Transverse Mercator Zone: 13N**

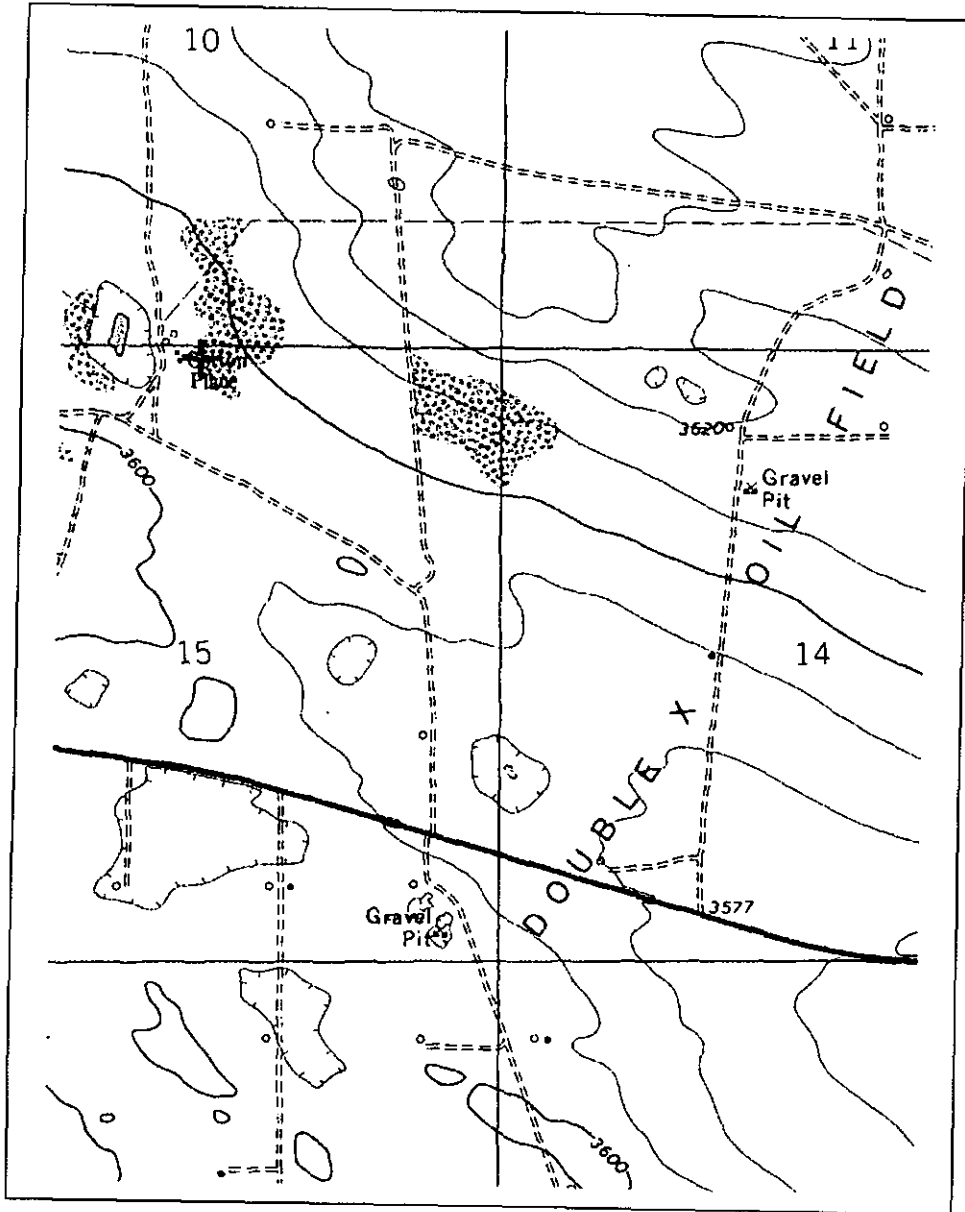
NAD 1983(92) (Meters)                      N: 3,566,130    E: 626,040  
NAD 1983(92) (Survey Feet)              N: 11,699,877   E: 2,053,934  
NAD 1927 (Meters)                         N: 3,565,928    E: 626,089  
NAD 1927 (Survey Feet)                  N: 11,699,215   E: 2,054,092

**State Plane Coordinate System Zone: New Mexico East**

NAD 1983(92) (Meters)                      N: 135,982      E: 228,239  
NAD 1983(92) (Survey Feet)              N: 446,136      E: 748,815  
NAD 1927 (Meters)                         N: 135,964      E: 215,686  
NAD 1927 (Survey Feet)                  N: 446,077      E: 707,631

# NEW MEXICO OFFICE OF STATE ENGINEER

## Locator Tool Report



WR File Number: C-03528-POD1 Scale: 1:19,970

Northing/Easting: UTM83(92) (Meter): N: 3,566,130

E: 626,040

Northing/Easting: SPCS83(92) (Feet): N: 446,136

E: 748,815

GW Basin: Carlsbad

# | Appendix C

P.O. Box 62228 Midland TX 79711 Tel: 432-563-2200 Fax: 432-563-2213



Sample Name: BH01A	Date: 02/27/2025
Site Name: Tomcat 21 Federal 1	
Incident Number: NRM2003860041	
Job Number: 19304	

**LITHOLOGIC / SOIL SAMPLING LOG**

Logged By: HB	Method: Hand Auger
Site Coordinates: 32.291558, -103.682683	Total Depth: 4'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	140	1.8	No	BH01	0.5	0.5	SP-SM	(0-4') Sand with silt, dry, tan, poorly graded with silt, very fine to fine grain, low cohesiveness, traces of clay, trace organic, no stain or odor @ 1' No organic.  @ 2' Color change from tan to reddish brown, increase in clay from trace to some, increase in cohesiveness from low to some.
Dry	140	0.6	No	BH01	1	1		
Dry	260	0.6	No	BH01	2	2		
Dry	836	0.7	No	BH01	3	3		
Dry	772	0.8	No	BH01	4	4		

Total Depth



Sample Name: BH02A	Date: 02/27/2025
Site Name: Tomcat 21 Federal 1	
Incident Number: NRM2003860041	
Job Number: 19304	

**LITHOLOGIC / SOIL SAMPLING LOG**

Logged By: HB	Method: Hand Auger
Site Coordinates: 32.291584, -103.682732	Total Depth: 4'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<116	0.4	No	BH02	0.5	0.5	SP-SM	(0-4') Sand with silt, dry, reddish brown, poorly graded with silt, very fine to fine grain, low cohesiveness, traces of clay, trace organic, no stain or odor  @ 1' No organic  @ 2' Increase in clay from trace to some, increase in cohesiveness from low to some.
Dry	<116	0.4	No	BH02	1	1		
Dry	600	0.4	No	BH02	2	2		
Dry	1,224	0.4	No	BH02	3	3		
Dry	1,136	0.4	No	BH02	4	4		

Total Depth



Sample Name: BH03A	Date: 02/27/2025
Site Name: Tomcat 21 Federal 1	
Incident Number: NRM2003860041	
Job Number: 19304	

**LITHOLOGIC / SOIL SAMPLING LOG**

Logged By: HB	Method: Hand Auger
Site Coordinates: 32.291637, -103.682707	Total Depth: 4'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<116	6.2	No	BH03	0.5	0.5	SP-SM	(0-4') Sand with silt, dry, reddish brown, poorly graded with silt, very fine to fine grain, low cohesiveness, traces of clay, trace organic, no stain or odor @ 1' No organic  @ 2' Color change from reddish brown to tan, decrease in clay
Dry	228	3.3	No	BH03	1	1		
Dry	196	0.4	No	BH03	2	2		
Dry	1,524	0.4	No	BH03	3	3		
Dry	2,044	0.4	No	BH03	4	4		

Total Depth



Sample Name: BH04A	Date: 02/27/2025
Site Name: Tomcat 21 Federal 1	
Incident Number: NRM2003860041	
Job Number: 19304	

**LITHOLOGIC / SOIL SAMPLING LOG**

Logged By: HB	Method: Hand Auger
Site Coordinates: 32.291627, -103.682761	Total Depth: 4'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<116	0.4	No	BH04	0.5	0.5	SP-SM	(0-4') Sand with silt, dry, reddish brown, poorly graded with silt, very fine to fine grain, low cohesiveness, traces of clay, trace organic, no stain or odor @ 1' No organic.    @ 3' Color change from reddish brown to tan, increase in clay, increase in cohesiveness from low to some.
Dry	<116	0.4	No	BH04	1	1		
Dry	228	0.6	No	BH04	2	2		
Dry	296	0.4	No	BH04	3	3		
Dry	600	0.4	No	BH04	4	4		

Total Depth



Sample Name: BH05A	Date: 02/27/2025
Site Name: Tomcat 21 Federal 1	
Incident Number: NRM2003860041	
Job Number: 19304	

**LITHOLOGIC / SOIL SAMPLING LOG**

Logged By: HB	Method: Hand Auger
Site Coordinates: 32.291539, -103.682756	Total Depth: 4'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<116	0.4	No	BH05	0.5	0.5	SP-SM	(0-4') Sand with silt, dry, reddish brown, poorly graded with silt, very fine to fine grain, low cohesiveness, traces of clay, trace organic, no stain or odor @ 1' No organic
Dry	<116	0.4	No	BH05	1	1		
Dry	<116	0.5	No	BH05	2	2		
Dry	<116	0.3	No	BH05	3	3		
Dry	<116	0.5	No	BH05	4	4		

Total Depth

# | Appendix D

P.O. Box 62228 Midland TX 79711 Tel: 432-563-2200 Fax: 432-563-2213



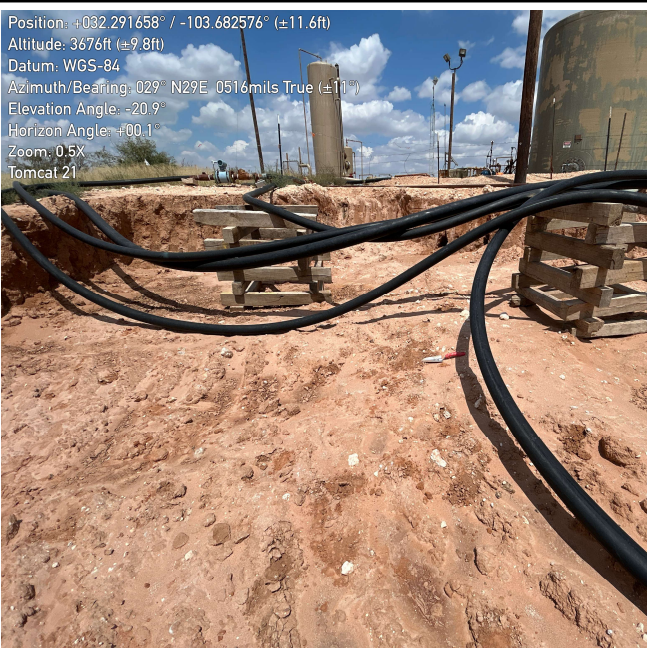
**PHOTOGRAPHIC LOG**  
**Devon Energy Production Company, LP**  
**Tomcat 21 Federal 1**  
**Incident Number: NRM2003860041**



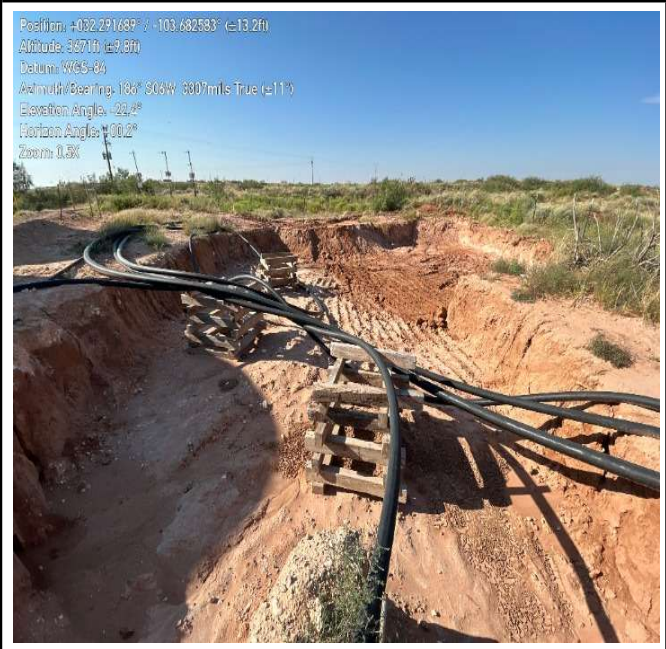
**Photograph 1**                      **Date: 02/27/2025**  
Description: Northwestern view of delineation activities associated with Area of Concern #2.



**Photograph 2**                      **Date: 07/29/2025**  
Description: Northwestern view of initial excavation area.



**Photograph 3**                      **Date: 07/29/2025**  
Description: Northeastern view of initial excavation area.



**Photograph 4**                      **Date: 08/27/2025**  
Description: Southwestern view of final excavation area.

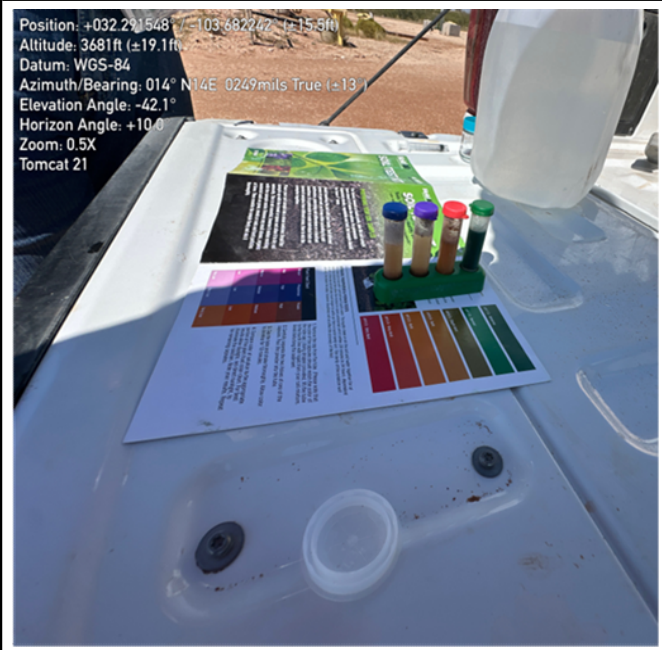


**PHOTOGRAPHIC LOG**  
**Devon Energy Production Company, LP**  
Tomcat 21 Federal 1  
Incident Number: NRM2003860041



Position: +032.291666° / -103.682502° (±43.9ft)  
Altitude: 3674ft (±39.4ft)  
Datum: WGS-84  
Azimuth/Bearing: 203° S23W 3609mils True (±11°)  
Elevation Angle: -12.0°  
Horizon Angle: -01.8°  
Zoom: 0.5X

**Photograph 5**                      **Date: 08/27/2025**  
Description: Southwestern view of final excavation area.



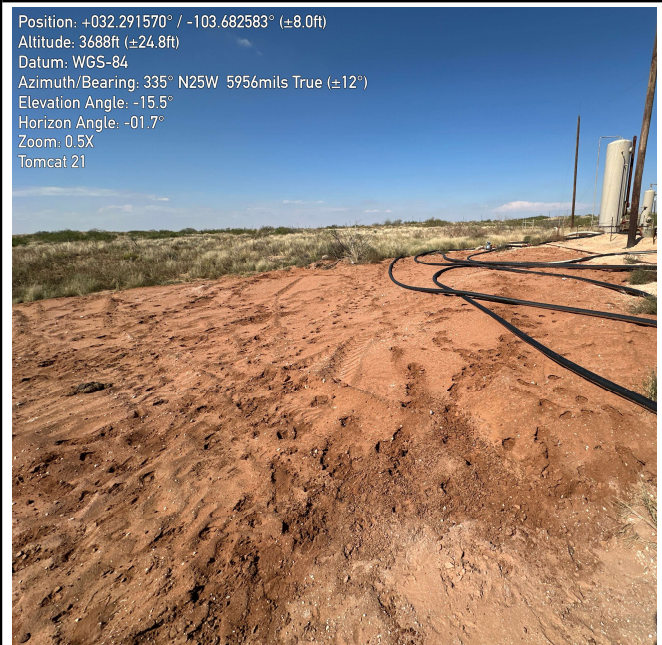
Position: +032.291548° / -103.682247° (±15.5ft)  
Altitude: 3681ft (±19.1ft)  
Datum: WGS-84  
Azimuth/Bearing: 014° N14E 0249mils True (±13°)  
Elevation Angle: -42.1°  
Horizon Angle: +10.0°  
Zoom: 0.5X  
Tomcat 21

**Photograph 6**                      **Date: 10/14/2025**  
Description: Northeastern view of backfill soil sample nutrient test results.



Position: +032.291481° / -103.682719° (±13.7ft)  
Altitude: 3684ft (±9.8ft)  
Datum: WGS-84  
Azimuth/Bearing: 066° N66E 1173mils True (±12°)  
Elevation Angle: -09.9°  
Horizon Angle: -00.5°  
Zoom: 0.5X  
Tomcat 21

**Photograph 7**                      **Date: 10/14/2025**  
Description: Northeastern view of completed reclamation activities.



Position: +032.291570° / -103.682583° (±8.0ft)  
Altitude: 3688ft (±24.8ft)  
Datum: WGS-84  
Azimuth/Bearing: 335° N25W 5956mils True (±12°)  
Elevation Angle: -15.5°  
Horizon Angle: -01.7°  
Zoom: 0.5X  
Tomcat 21

**Photograph 8**                      **Date: 10/14/2025**  
Description: Northwestern view of completed reclamation activities.

# | Appendix E

P.O. Box 62228 Midland TX 79711 Tel: 432-563-2200 Fax: 432-563-2213



**Table 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**Devon Energy Production Co, LP**  
**Tomcat 21 Federal 1**  
**Lea County, New Mexico**

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCDC Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>10,000</b>
<b>Delineation Soil Samples - Incident Number NRM2003860041</b>										
BH01A*	02/27/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	94.0
BH01A*	02/27/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	110
BH01A*	02/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	255
BH01A*	02/27/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	809
BH01A	02/27/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	747
BH02A*	02/27/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH02A*	02/27/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	27.6
BH02A*	02/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	511
BH02A*	02/27/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,160
BH02A	02/27/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	887
BH03A*	02/27/2025	0.5	<0.0250	0.0455	<20.0	<25.0	<50.0	<25.0	<50.0	45.3
BH03A*	02/27/2025	1	<0.0250	0.0270	<20.0	<25.0	<50.0	<25.0	<50.0	164
BH03A*	02/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	163
BH03A*	02/27/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,370
BH03A	02/27/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,130
BH04A*	02/27/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	30.9
BH04A*	02/27/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	55.9
BH04A*	02/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	170
BH04A*	02/27/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	255
BH04A	02/27/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	653
BH05A*	02/27/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH05A*	02/27/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH05A*	02/27/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH05A*	02/27/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH05A	02/27/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
<b>Excavation Soil Samples - Incident Number NRM2003860041</b>										
FS01	08/27/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,440
FS02	08/27/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,070
FS03	08/27/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,950
FS04	08/27/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	855
FS05	08/27/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,610
FS06	08/27/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,210



**Table 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
**Devon Energy Production Co, LP**  
**Tomcat 21 Federal 1**  
**Lea County, New Mexico**

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	NE	NE	NE	<b>1,000</b>	<b>2,500</b>	<b>10,000</b>
FS07	08/27/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,350
FS08	08/27/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,470
FS09	08/27/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	885
FS10	08/27/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	718
FS11	08/27/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	148
SW01	08/27/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	242
SW02	08/27/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	129
SW03	08/27/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.7
SW04	08/27/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	288
SW05	08/27/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	142
<b>Backfill Stockpile Soil Samples - NRM2003860041</b>										
STKP01	09/11/2025	-	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
STKP02	09/11/2025	-	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
STKP03	09/11/2025	-	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
STKP04	09/11/2025	-	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:  
 bgs: below ground surface  
 mg/kg: milligrams per kilogram  
 BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes  
 GRO: Gasoline Range Organics  
 DRO: Diesel Range Organics  
 ORO: Oil Range Organics  
 TPH: Total Petroleum Hydrocarbon  
 NMOCD: New Mexico Oil Conservation Division  
 NMAC: New Mexico Administrative Code  
 Text in "grey" represents excavated soil samples  
 Concentrations in **bold** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard for Soils Impacted by a Release  
 \*\* \*Soil sample was collected in the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13, if exceeding the reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH.



**Table 2  
SOIL SAMPLE FIELD SCREENING RESULTS  
Devon Energy Production Company, LP  
Tomcat 21 Federal 1  
Lea County, New Mexico**

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Nitrogen	Potash	Phosphorous	PH	Chloride (ppm)
<b>Restoration Soil Samples - Incident Number NRM2003860041</b>							
BG01	10/14/2025	0-0.25	Very Low	Low	Low	7.5	<128
SC01	10/14/2025	0-0.25	Very Low	Low	Low	7.5	<128
SC02	10/14/2025	0-0.25	Very Low	Low	Low	7.5	<128

*Notes:*

*bgs: below ground surface*

*ppm: parts per million*

*"-" symbol: sample depth is not applicable*

# | Appendix F

P.O. Box 62228 Midland TX 79711 Tel: 432-563-2200 Fax: 432-563-2213

Report to:  
Anna Byers



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Devon Energy - Carlsbad

Project Name: TOMCAT 21 FEDERAL #001

Work Order: E503006

Job Number: 01058-0007

Received: 3/4/2025

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/11/25

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.



Date Reported: 3/11/25

Anna Byers  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: TOMCAT 21 FEDERAL #001  
Workorder: E503006  
Date Received: 3/4/2025 6:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/4/2025 6:00:00AM, under the Project Name: TOMCAT 21 FEDERAL #001.

The analytical test results summarized in this report with the Project Name: TOMCAT 21 FEDERAL #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 03/11/25 09:52
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01A 0.5'	E503006-01A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.
BH01A 1'	E503006-02A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.
BH01A 2'	E503006-03A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.
BH01A 3'	E503006-04A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.
BH01A 4'	E503006-05A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 9:52:40AM
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**BH01A 0.5'**  
**E503006-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.5 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		104 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.5 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2510036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: AK		Batch: 2510038
Chloride	94.0	20.0	1	03/04/25	03/04/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 9:52:40AM
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**BH01A 1'**

**E503006-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2510036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>		110 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2510038
Chloride	110	20.0	1	03/04/25	03/04/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 9:52:40AM
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**BH01A 2'**

**E503006-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.8 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.8 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2510036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2510038
Chloride	255	20.0	1	03/04/25	03/04/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 9:52:40AM
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**BH01A 3'**

**E503006-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.8 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.8 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2510036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>		111 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2510038
Chloride	809	20.0	1	03/04/25	03/04/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 9:52:40AM
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**BH01A 4'**

**E503006-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.9 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.9 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2510036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>		111 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2510038
Chloride	747	20.0	1	03/04/25	03/04/25	



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 3/11/2025 9:52:40AM
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#### Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2510039-BLK1)

Prepared: 03/04/25 Analyzed: 03/05/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.499		0.500		99.8		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7		70-130		
Surrogate: Toluene-d8	0.533		0.500		107		70-130		

#### LCS (2510039-BS1)

Prepared: 03/04/25 Analyzed: 03/05/25

Benzene	2.51	0.0250	2.50		100		70-130		
Ethylbenzene	2.65	0.0250	2.50		106		70-130		
Toluene	2.74	0.0250	2.50		109		70-130		
o-Xylene	2.87	0.0250	2.50		115		70-130		
p,m-Xylene	5.70	0.0500	5.00		114		70-130		
Total Xylenes	8.56	0.0250	7.50		114		70-130		
Surrogate: Bromofluorobenzene	0.512		0.500		102		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1		70-130		
Surrogate: Toluene-d8	0.530		0.500		106		70-130		

#### Matrix Spike (2510039-MS1)

Source: E503006-04

Prepared: 03/04/25 Analyzed: 03/05/25

Benzene	2.50	0.0250	2.50	ND	99.9		48-131		
Ethylbenzene	2.61	0.0250	2.50	ND	104		45-135		
Toluene	2.65	0.0250	2.50	ND	106		48-130		
o-Xylene	2.81	0.0250	2.50	ND	112		43-135		
p,m-Xylene	5.58	0.0500	5.00	ND	112		43-135		
Total Xylenes	8.39	0.0250	7.50	ND	112		43-135		
Surrogate: Bromofluorobenzene	0.510		0.500		102		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.1		70-130		
Surrogate: Toluene-d8	0.521		0.500		104		70-130		

#### Matrix Spike Dup (2510039-MSD1)

Source: E503006-04

Prepared: 03/04/25 Analyzed: 03/05/25

Benzene	2.50	0.0250	2.50	ND	99.9		48-131	0.0601	23
Ethylbenzene	2.61	0.0250	2.50	ND	104		45-135	0.0575	27
Toluene	2.66	0.0250	2.50	ND	106		48-130	0.357	24
o-Xylene	2.88	0.0250	2.50	ND	115		43-135	2.30	27
p,m-Xylene	5.71	0.0500	5.00	ND	114		43-135	2.27	27
Total Xylenes	8.59	0.0250	7.50	ND	114		43-135	2.28	27
Surrogate: Bromofluorobenzene	0.518		0.500		104		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.8		70-130		
Surrogate: Toluene-d8	0.525		0.500		105		70-130		



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 9:52:40AM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2510039-BLK1)**

Prepared: 03/04/25 Analyzed: 03/05/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			

**LCS (2510039-BS2)**

Prepared: 03/04/25 Analyzed: 03/05/25

Gasoline Range Organics (C6-C10)	61.2	20.0	50.0		122	70-130			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.6	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			

**Matrix Spike (2510039-MS2)**

Source: E503006-04

Prepared: 03/04/25 Analyzed: 03/05/25

Gasoline Range Organics (C6-C10)	63.3	20.0	50.0	ND	127	70-130			
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.465		0.500		93.0	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			

**Matrix Spike Dup (2510039-MSD2)**

Source: E503006-04

Prepared: 03/04/25 Analyzed: 03/05/25

Gasoline Range Organics (C6-C10)	59.8	20.0	50.0	ND	120	70-130	5.79	20	
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.448		0.500		89.6	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 9:52:40AM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2510036-BLK1)**

Prepared: 03/04/25 Analyzed: 03/04/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.0		50.0		104	61-141			

**LCS (2510036-BS1)**

Prepared: 03/04/25 Analyzed: 03/04/25

Diesel Range Organics (C10-C28)	241	25.0	250		96.2	66-144			
Surrogate: n-Nonane	50.4		50.0		101	61-141			

**Matrix Spike (2510036-MS1)**

Source: E503006-02

Prepared: 03/04/25 Analyzed: 03/05/25

Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	56-156			
Surrogate: n-Nonane	53.1		50.0		106	61-141			

**Matrix Spike Dup (2510036-MSD1)**

Source: E503006-02

Prepared: 03/04/25 Analyzed: 03/05/25

Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	56-156	2.76	20	
Surrogate: n-Nonane	51.6		50.0		103	61-141			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 9:52:40AM
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#### Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2510038-BLK1)**

Prepared: 03/04/25 Analyzed: 03/04/25

Chloride	ND	20.0							
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**LCS (2510038-BS1)**

Prepared: 03/04/25 Analyzed: 03/04/25

Chloride	253	20.0	250		101	90-110			
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**Matrix Spike (2510038-MS1)**

Source: E503006-04

Prepared: 03/04/25 Analyzed: 03/04/25

Chloride	1040	20.0	250	809	92.6	80-120			
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**Matrix Spike Dup (2510038-MSD1)**

Source: E503006-04

Prepared: 03/04/25 Analyzed: 03/04/25

Chloride	1030	20.0	250	809	88.7	80-120	0.936	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Devon Energy - Carlsbad	Project Name:	TOMCAT 21 FEDERAL #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Anna Byers	03/11/25 09:52

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Devon Energy Production Company, LP		<b>Bill To</b>		<b>Lab Use Only</b>			<b>TAT</b>			<b>EPA Program</b>								
Project: TOMCAT 21 FEDERAL #001		Attention: Jim Raley		Lab WO#	Job Number		1D	2D	3D	Standard	CWA	SDWA						
Project Manager: Anna Byers		Address: 5315 Buena Vista Dr.		E503006		0058-0007					5 day TAT							
Address: 13000 W County Rd 100		City, State, Zip: Carlsbad, NM, 88220		Analysis and Method									RCRA					
City, State, Zip: Odessa, TX, 79765		Phone: 575-885-7502		Depth (ft.)	TPH GAO/DRO/DRO by 8015	BTEX by 8021	VOC by 8280	Metals 6010	Chloride 300 0	BGDOC - NM	GDOC - TX	State						
Phone: 432-305-6415		Email: jim.raley@dvn.com										NM	CO	UT	AZ	TX	Remarks	
Email: NMTXGeoGroup@etechnv.com		WBS: 1007085301																
		Incident ID: nRM2003860041																

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GAO/DRO/DRO by 8015	BTEX by 8021	VOC by 8280	Metals 6010	Chloride 300 0	BGDOC - NM	GDOC - TX	Remarks
10:30	02.27.25	S	1	BH01	1	0.5'						X		
10:35	02.27.25	S	1	BH01	2	1'						X		
10:40	02.27.25	S	1	BH01	3	2'						X		
10:45	02.27.25	S	1	BH01	4	3'						X		
10:50	02.27.25	S	1	BH01	5	4'						X		

**Additional Instructions:**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: HR

Relinquished by: (Signature) Haley Blume	Date 02/27/25	Time 1400	Received by: (Signature) Michelle Gonzales	Date 2-28-25	Time 1715	<b>Lab Use Only</b> Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4
Relinquished by: (Signature) Michelle Gonzales	Date 3-3-25	Time 1600	Received by: (Signature) C. M.	Date 3-3-25	Time 1700	
Relinquished by: (Signature) C. M.	Date 3-3-25	Time 2400	Received by: (Signature) Caitlin Mann	Date 3-4-25	Time 1000	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other  
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Envirotech Analytical Laboratory

Printed: 3/4/2025 10:38:59AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Devon Energy - Carlsbad Date Received: 03/04/25 06:00 Work Order ID: E503006
Phone: (575) 748-0176 Date Logged In: 03/03/25 14:52 Logged In By: Caitlin Mars
Email: anna@etechnv.com Due Date: 03/07/25 17:00 (3 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Comments/Resolution

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Empty box for client instruction.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Client: Devon Energy Production Company, LP					<b>Bill To</b>					<b>Lab Use Only</b>					<b>TAT</b>				<b>EPA Program</b>			
Project: TOMCAT 21 FEDERAL #001					Attention: Jim Raley					Lab WO#		Job Number			1D	2D	3D	Standard	CWA	SDWA		
Project Manager: Anna Byers					Address: 5315 Buena Vista Dr.					E503006		01058-0007						5 day TAT				
Address: 13000 W County Rd 100					City, State, Zip: Carlsbad, NM, 88220					Analysis and Method										RCRA		
City, State, Zip: Odessa, TX, 79765					Phone: 575-885-7502					Depth (ft)	TPH per ORO/ORO by 8015	BTEX by 8021	VOC by 8160	Metals 6010	Chloride 3000	BGDOC NM	GD0C TX	State				
Phone: 432-305-6415					Email: jim.raley@dvn.com													NM	CO	UT	AZ	TX
Email: NMTXGeoGroup@etechnv.com					WBS: 1007085301													Remarks				
Incident ID: nRM2003860041					Collected by: Haleigh Blume																	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft)	TPH per ORO/ORO by 8015	BTEX by 8021	VOC by 8160	Metals 6010	Chloride 3000	BGDOC NM	GD0C TX	Remarks								
10:30	02.27.25	S	1	BH01 A	1	0.5'						X		Changed sample names per E. Herrera 3 11/25 CM								
10:35	02.27.25	S	1	BH01 A	2	1'					X											
10:40	02.27.25	S	1	BH01 A	3	2'					X											
10:45	02.27.25	S	1	BH01 A	4	3'					X											
10:50	02.27.25	S	1	BH01 A	5	4'					X											
<b>Additional Instructions:</b>																						
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Sampled by: HB					Samples requiring thermal preservation must be received on ice the day they are sampled or removed packed in ice at an avg temp above 0 but less than 6°C on subsequent days.							
Relinquished by: (Signature) Haleigh Blume			Date 02/27/25		Time 1610		Received by: (Signature) Michelle Gonzales			Date 2-28-25		Time 1715		Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N								
Relinquished by: (Signature) Michelle Gonzales			Date 3-3-25		Time 1610		Received by: (Signature) J. M.			Date 3-3-25		Time 1700		T1 _____ T2 _____ T3 _____								
Relinquished by: (Signature) J. M.			Date 3.3.25		Time 2400		Received by: (Signature) Caitlin Mann			Date 3.4.25		Time 600		AVG Temp °C 4								
Sample Matrix: S - Soil, Sl - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA												
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																						



Report to:  
Anna Byers



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Devon Energy - Carlsbad

Project Name: TOMCAT 21 FEDERAL #001

Work Order: E503007

Job Number: 01058-0007

Received: 3/4/2025

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/11/25

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.



Date Reported: 3/11/25

Anna Byers  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: TOMCAT 21 FEDERAL #001  
Workorder: E503007  
Date Received: 3/4/2025 6:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/4/2025 6:00:00AM, under the Project Name: TOMCAT 21 FEDERAL #001.

The analytical test results summarized in this report with the Project Name: TOMCAT 21 FEDERAL #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 03/11/25 13:50
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02A 0.5'	E503007-01A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.
BH02A 1'	E503007-02A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.
BH02A 2'	E503007-03A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.
BH02A 3'	E503007-04A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.
BH02A 4'	E503007-05A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 1:50:32PM
---	---	---

**BH02A 0.5'**  
**E503007-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.5 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.5 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2510036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: AK		Batch: 2510038
Chloride	ND	20.0	1	03/04/25	03/04/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 1:50:32PM
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**BH02A 1'**

**E503007-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.6 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		99.4 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.6 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2510036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2510038
Chloride	27.6	20.0	1	03/04/25	03/04/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 1:50:32PM
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**BH02A 2'**

**E503007-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.3 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.3 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2510036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2510038
Chloride	511	20.0	1	03/04/25	03/04/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 1:50:32PM
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**BH02A 3'**

**E503007-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.2 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		103 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.2 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2510036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>		110 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2510038
Chloride	1160	20.0	1	03/04/25	03/04/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 1:50:32PM
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**BH02A 4'**

**E503007-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2510036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>		115 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2510038
Chloride	887	20.0	1	03/04/25	03/04/25	



### QC Summary Data

Devon Energy - Carlsbad	Project Name:	TOMCAT 21 FEDERAL #001	<b>Reported:</b> 3/11/2025 1:50:32PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	

#### Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
	mg/kg	mg/kg	mg/kg	mg/kg					

#### Blank (2510039-BLK1)

Prepared: 03/04/25 Analyzed: 03/05/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			

#### LCS (2510039-BS1)

Prepared: 03/04/25 Analyzed: 03/05/25

Benzene	2.51	0.0250	2.50		100	70-130			
Ethylbenzene	2.65	0.0250	2.50		106	70-130			
Toluene	2.74	0.0250	2.50		109	70-130			
o-Xylene	2.87	0.0250	2.50		115	70-130			
p,m-Xylene	5.70	0.0500	5.00		114	70-130			
Total Xylenes	8.56	0.0250	7.50		114	70-130			
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			

#### Matrix Spike (2510039-MS1)

Source: E503006-04

Prepared: 03/04/25 Analyzed: 03/05/25

Benzene	2.50	0.0250	2.50	ND	99.9	48-131			
Ethylbenzene	2.61	0.0250	2.50	ND	104	45-135			
Toluene	2.65	0.0250	2.50	ND	106	48-130			
o-Xylene	2.81	0.0250	2.50	ND	112	43-135			
p,m-Xylene	5.58	0.0500	5.00	ND	112	43-135			
Total Xylenes	8.39	0.0250	7.50	ND	112	43-135			
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.1	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

#### Matrix Spike Dup (2510039-MSD1)

Source: E503006-04

Prepared: 03/04/25 Analyzed: 03/05/25

Benzene	2.50	0.0250	2.50	ND	99.9	48-131	0.0601	23	
Ethylbenzene	2.61	0.0250	2.50	ND	104	45-135	0.0575	27	
Toluene	2.66	0.0250	2.50	ND	106	48-130	0.357	24	
o-Xylene	2.88	0.0250	2.50	ND	115	43-135	2.30	27	
p,m-Xylene	5.71	0.0500	5.00	ND	114	43-135	2.27	27	
Total Xylenes	8.59	0.0250	7.50	ND	114	43-135	2.28	27	
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.8	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 1:50:32PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2510039-BLK1)**

Prepared: 03/04/25 Analyzed: 03/05/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			

**LCS (2510039-BS2)**

Prepared: 03/04/25 Analyzed: 03/05/25

Gasoline Range Organics (C6-C10)	61.2	20.0	50.0		122	70-130			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.6	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			

**Matrix Spike (2510039-MS2)**

Source: E503006-04

Prepared: 03/04/25 Analyzed: 03/05/25

Gasoline Range Organics (C6-C10)	63.3	20.0	50.0	ND	127	70-130			
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.465		0.500		93.0	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			

**Matrix Spike Dup (2510039-MSD2)**

Source: E503006-04

Prepared: 03/04/25 Analyzed: 03/05/25

Gasoline Range Organics (C6-C10)	59.8	20.0	50.0	ND	120	70-130	5.79	20	
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.448		0.500		89.6	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 1:50:32PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2510036-BLK1)**

Prepared: 03/04/25 Analyzed: 03/04/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.0		50.0		104	61-141			

**LCS (2510036-BS1)**

Prepared: 03/04/25 Analyzed: 03/04/25

Diesel Range Organics (C10-C28)	241	25.0	250		96.2	66-144			
Surrogate: n-Nonane	50.4		50.0		101	61-141			

**Matrix Spike (2510036-MS1)**

Source: E503006-02

Prepared: 03/04/25 Analyzed: 03/05/25

Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	56-156			
Surrogate: n-Nonane	53.1		50.0		106	61-141			

**Matrix Spike Dup (2510036-MSD1)**

Source: E503006-02

Prepared: 03/04/25 Analyzed: 03/05/25

Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	56-156	2.76	20	
Surrogate: n-Nonane	51.6		50.0		103	61-141			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 1:50:32PM
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#### Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2510038-BLK1)**

Prepared: 03/04/25 Analyzed: 03/04/25

Chloride ND 20.0

**LCS (2510038-BS1)**

Prepared: 03/04/25 Analyzed: 03/04/25

Chloride 253 20.0 250 101 90-110

**Matrix Spike (2510038-MS1)**

Source: E503006-04

Prepared: 03/04/25 Analyzed: 03/04/25

Chloride 1040 20.0 250 809 92.6 80-120

**Matrix Spike Dup (2510038-MSD1)**

Source: E503006-04

Prepared: 03/04/25 Analyzed: 03/04/25

Chloride 1030 20.0 250 809 88.7 80-120 0.936 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Devon Energy - Carlsbad	Project Name:	TOMCAT 21 FEDERAL #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Anna Byers	03/11/25 13:50

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Devon Energy Production Company, LP		<b>Bill To</b>		<b>Lab Use Only</b>			<b>TAT</b>			<b>EPA Program</b>						
Project: TOMCAT 21 FEDERAL #001		Attention: Jim Raley		Lab WO#	Job Number		1D	2D	3D	Standard	CWA	SDWA				
Project Manager: Anna Byers		Address: 5315 Buena Vista Dr.		E 503007		01058-0007				5 day TAT						
Address: 13000 W County Rd 100		City, State, Zip: Carlsbad, NM, 88220		Analysis and Method												
City, State, Zip: Odessa, TX, 79765		Phone: 575-885-7502		Depth (ft.)	TPH GRQ/DRO/DYO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300/0	BGDOC NM	GDGC TX	State				
Phone: 432-305-6415		Email: jim.raley@dvn.com										NM	CO	UT	AZ	TX
Email: NMTXGeoGroup@etechemv.com		WBS: 1007085301														
Collected by: Haleigh Blume		Incident ID: nRM2003860041														

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRQ/DRO/DYO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300/0	BGDOC NM	GDGC TX	Remarks
12:20	02.27.25	S	1	BH02	1	0.5'						X		
12:23	02.27.25	S	1	BH02	2	1'						X		
12:26	02.27.25	S	1	BH02	3	2'						X		
12:30	02.27.25	S	1	BH02	4	3'						X		
12:35	02.27.25	S	1	BH02	5	4'						X		

**Additional Instructions:**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:           

Relinquished by: (Signature) <u>Haleigh Blume</u>				Date <u>02/28/2025</u>		Time <u>          </u>		Received by: (Signature) <u>Michelle Gonzales</u>		Date <u>2.28.25</u>		Time <u>5:15</u>		Lab Use Only	
Relinquished by: (Signature) <u>Michelle Gonzales</u>				Date <u>3.3.25</u>		Time <u>16:10</u>		Received by: (Signature) <u>J. M.</u>		Date <u>3.3.25</u>		Time <u>17:00</u>		Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N	
Relinquished by: (Signature) <u>J. M.</u>				Date <u>3.3.25</u>		Time <u>24:00</u>		Received by: (Signature) <u>Caitlin Mann</u>		Date <u>3/4/25</u>		Time <u>6:00</u>		T1 <u>          </u> T2 <u>          </u> T3 <u>          </u>	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



### Envirotech Analytical Laboratory

Printed: 3/4/2025 10:41:48AM

#### Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	03/04/25 06:00	Work Order ID:	E503007
Phone:	(575) 748-0176	Date Logged In:	03/03/25 14:55	Logged In By:	Caitlin Mars
Email:	anna@etechnv.com	Due Date:	03/07/25 17:00 (3 day TAT)		

#### Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

#### Comments/Resolution

#### Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

#### Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

#### Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

#### Field Label

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

#### Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

#### Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

#### Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

#### Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Client: Devon Energy Production Company, LP				Bill To				Lab Use Only				TAT				EPA Program						
Project: TOMCAT 21 FEDERAL #001				Attention: Jim Raley				Lab WOr#		Job Number		1D	2D	3D	Standard	CWA	SDWA					
Project Manager: Anna Byers				Address: 5315 Buena Vista Dr.				E503007		01058-0007					5 day TAT							
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220				Analysis and Method										RCRA				
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502				Depth	TPH	Oil/Grease	BTEX	VOC	Metals	Chloride	SGDOC	NM	TX	State				
Phone: 432-305-6415				Email: jim.raley@dvn.com														NM	CO	UT	AZ	TX
Email: NMTXGeoGroup@etechnv.com				WBS: 1007085301																		
Incident ID: nRM2003860041				Collected by: Haleigh Blume																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth	TPH	Oil/Grease	BTEX	VOC	Metals	Chloride	SGDOC	NM	TX	Remarks						
12:20	02.27.25	S	1	BH02 A	1	0.5'							X			Changed Sample Names per E. Herrera 3/1/25 CM						
12:23	02.27.25	S	1	BH02 A	2	1'							X									
12:26	02.27.25	S	1	BH02 A	3	2'							X									
12:30	02.27.25	S	1	BH02 A	4	3'							X									
12:35	02.27.25	S	1	BH02 A	5	4'							X									
Additional Instructions:																						
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.												
Relinquished by: (Signature) <i>[Signature]</i>				Date 02/11/25		Time 1610		Received by: (Signature) <i>Michelle Gonzales</i>				Date 2/28/25		Time 1715		Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N						
Relinquished by: (Signature) <i>Michelle Gonzales</i>				Date 3.3.25		Time 1610		Received by: (Signature) <i>J. J.</i>				Date 3.3.25		Time 1700		T1 _____ T2 _____ T3 _____						
Relinquished by: (Signature) <i>J. J.</i>				Date 3.3.25		Time 2400		Received by: (Signature) <i>Caitlin Mann</i>				Date 3/4/25		Time 1600		AVG Temp °C <u>4</u>						
Sample Matrix: S - Soil, Sl - Solid, Sg - Sludge, A - Aqueous, O - Other																						
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																						
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this CDC. The liability of the laboratory is limited to the amount paid for on the report.																						



Report to:  
Anna Byers



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Devon Energy - Carlsbad

Project Name: TOMCAT 21 FEDERAL #001

Work Order: E503008

Job Number: 01058-0007

Received: 3/4/2025

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/11/25

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.



Date Reported: 3/11/25

Anna Byers  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: TOMCAT 21 FEDERAL #001  
Workorder: E503008  
Date Received: 3/4/2025 6:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/4/2025 6:00:00AM, under the Project Name: TOMCAT 21 FEDERAL #001.

The analytical test results summarized in this report with the Project Name: TOMCAT 21 FEDERAL #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 03/11/25 13:49
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03A 0.5'	E503008-01A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.
BH03A 1'	E503008-02A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.
BH03A 2'	E503008-03A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.
BH03A 3'	E503008-04A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.
BH03A 4'	E503008-05A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.

### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 1:49:36PM
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**BH03A 0.5'**  
**E503008-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2510039
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	<b>0.0455</b>	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2510039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: NV		Batch: 2510036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>		110 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: AK		Batch: 2510038
Chloride	<b>45.3</b>	20.0	1	03/04/25	03/04/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 1:49:36PM
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**BH03A 1'**  
**E503008-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	<b>0.0270</b>	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.6 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2510036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2510038
Chloride	<b>164</b>	20.0	1	03/04/25	03/04/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 1:49:36PM
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**BH03A 2'**

**E503008-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.4 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.4 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2510036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2510038
Chloride	163	20.0	1	03/04/25	03/04/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 1:49:36PM
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**BH03A 3'**

**E503008-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2510036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>		109 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2510038
Chloride	1370	20.0	1	03/04/25	03/04/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 1:49:36PM
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**BH03A 4'**

**E503008-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.4 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510039
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	03/04/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.4 %	70-130	03/04/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2510036
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2510038
Chloride	2130	20.0	1	03/04/25	03/04/25	



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 3/11/2025 1:49:36PM
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#### Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2510039-BLK1)

Prepared: 03/04/25 Analyzed: 03/05/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			

#### LCS (2510039-BS1)

Prepared: 03/04/25 Analyzed: 03/05/25

Benzene	2.51	0.0250	2.50		100	70-130			
Ethylbenzene	2.65	0.0250	2.50		106	70-130			
Toluene	2.74	0.0250	2.50		109	70-130			
o-Xylene	2.87	0.0250	2.50		115	70-130			
p,m-Xylene	5.70	0.0500	5.00		114	70-130			
Total Xylenes	8.56	0.0250	7.50		114	70-130			
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			

#### Matrix Spike (2510039-MS1)

Source: E503006-04

Prepared: 03/04/25 Analyzed: 03/05/25

Benzene	2.50	0.0250	2.50	ND	99.9	48-131			
Ethylbenzene	2.61	0.0250	2.50	ND	104	45-135			
Toluene	2.65	0.0250	2.50	ND	106	48-130			
o-Xylene	2.81	0.0250	2.50	ND	112	43-135			
p,m-Xylene	5.58	0.0500	5.00	ND	112	43-135			
Total Xylenes	8.39	0.0250	7.50	ND	112	43-135			
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.1	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

#### Matrix Spike Dup (2510039-MSD1)

Source: E503006-04

Prepared: 03/04/25 Analyzed: 03/05/25

Benzene	2.50	0.0250	2.50	ND	99.9	48-131	0.0601	23	
Ethylbenzene	2.61	0.0250	2.50	ND	104	45-135	0.0575	27	
Toluene	2.66	0.0250	2.50	ND	106	48-130	0.357	24	
o-Xylene	2.88	0.0250	2.50	ND	115	43-135	2.30	27	
p,m-Xylene	5.71	0.0500	5.00	ND	114	43-135	2.27	27	
Total Xylenes	8.59	0.0250	7.50	ND	114	43-135	2.28	27	
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.8	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 1:49:36PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2510039-BLK1)**

Prepared: 03/04/25 Analyzed: 03/05/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			

**LCS (2510039-BS2)**

Prepared: 03/04/25 Analyzed: 03/05/25

Gasoline Range Organics (C6-C10)	61.2	20.0	50.0		122	70-130			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.6	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			

**Matrix Spike (2510039-MS2)**

Source: E503006-04

Prepared: 03/04/25 Analyzed: 03/05/25

Gasoline Range Organics (C6-C10)	63.3	20.0	50.0	ND	127	70-130			
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.465		0.500		93.0	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			

**Matrix Spike Dup (2510039-MSD2)**

Source: E503006-04

Prepared: 03/04/25 Analyzed: 03/05/25

Gasoline Range Organics (C6-C10)	59.8	20.0	50.0	ND	120	70-130	5.79	20	
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.448		0.500		89.6	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 1:49:36PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2510036-BLK1)**

Prepared: 03/04/25 Analyzed: 03/04/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	52.0		50.0		104	61-141			

**LCS (2510036-BS1)**

Prepared: 03/04/25 Analyzed: 03/04/25

Diesel Range Organics (C10-C28)	241	25.0	250		96.2	66-144			
Surrogate: <i>n</i> -Nonane	50.4		50.0		101	61-141			

**Matrix Spike (2510036-MS1)**

Source: E503006-02

Prepared: 03/04/25 Analyzed: 03/05/25

Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	56-156			
Surrogate: <i>n</i> -Nonane	53.1		50.0		106	61-141			

**Matrix Spike Dup (2510036-MSD1)**

Source: E503006-02

Prepared: 03/04/25 Analyzed: 03/05/25

Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	56-156	2.76	20	
Surrogate: <i>n</i> -Nonane	51.6		50.0		103	61-141			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 1:49:36PM
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#### Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2510038-BLK1)**

Prepared: 03/04/25 Analyzed: 03/04/25

Chloride ND 20.0

**LCS (2510038-BS1)**

Prepared: 03/04/25 Analyzed: 03/04/25

Chloride 253 20.0 250 101 90-110

**Matrix Spike (2510038-MS1)**

Source: E503006-04

Prepared: 03/04/25 Analyzed: 03/04/25

Chloride 1040 20.0 250 809 92.6 80-120

**Matrix Spike Dup (2510038-MSD1)**

Source: E503006-04

Prepared: 03/04/25 Analyzed: 03/04/25

Chloride 1030 20.0 250 809 88.7 80-120 0.936 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Devon Energy - Carlsbad	Project Name:	TOMCAT 21 FEDERAL #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Anna Byers	03/11/25 13:49

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Released to Imaging: 4/9/2026 3:23:02 PM

Client: Devon Energy Production Company, LP		Bill To		Lab Use Only			TAT			EPA Program						
Project: TOMCAT 21 FEDERAL #001		Attention: Jim Raley		Lab WO#	Job Number		1D	2D	3D	Standard	CWA	SDWA				
Project Manager: Anna Byers		Address: 5315 Buena Vista Dr.		E503008		01058-0007										
Address: 13000 W County Rd 100		City, State, Zip: Carlsbad, NM, 88220		Analysis and Method												
City, State, Zip: Odessa, TX, 79765		Phone: 575-885-7502		Depth (ft.)	TPH GPO/DRO/ORG by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 100 D	BGDOC NM	GD0C TX	State				
Phone: 432-305-6415		Email: jim.raley@dvn.com										NM	CO	UT	AZ	TX
Mail: NMTXGeoGroup@etechnv.com		WBS: 1007085301														
		Incident ID: nRM2003860041														

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GPO/DRO/ORG by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 100 D	BGDOC NM	GD0C TX	Remarks
13:30	02.27.25	S	1	BH03	1	0.5'						X		
13:35	02.27.25	S	1	BH03	2	1'						X		
13:40	02.27.25	S	1	BH03	3	2'						X		
13:45	02.27.25	S	1	BH03	4	3'						X		
13:50	02.27.25	S	1	BH03	5	4'						X		

**Additional Instructions:**

I, (Field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:                     

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.

Relinquished by: (Signature) <u>                    </u>	Date <u>02/23/2025</u>	Time <u>                    </u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>2.28.25</u>	Time <u>1715</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 <u>                    </u> T2 <u>                    </u> T3 <u>                    </u> AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>3-3-25</u>	Time <u>1610</u>	Received by: (Signature) <u>                    </u>	Date <u>3.3.25</u>	Time <u>1700</u>	
Relinquished by: (Signature) <u>L.H.</u>	Date <u>3.3.25</u>	Time <u>2400</u>	Received by: (Signature) <u>                    </u>	Date <u>3.4.25</u>	Time <u>600</u>	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other      Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Received by OCD: 3/9/2026 8:35:35 AM

Page 15 of 17

Page 131 of 275

Envirotech Analytical Laboratory

Printed: 3/4/2025 10:43:37AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Devon Energy - Carlsbad Date Received: 03/04/25 06:00 Work Order ID: E503008
Phone: (575) 748-0176 Date Logged In: 03/03/25 14:58 Logged In By: Caitlin Mars
Email: anna@etechnv.com Due Date: 03/07/25 17:00 (3 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Client: Devon Energy Production Company, LP				Bill To				Lab Use Only				TAT			EPA Program					
Project: TOMCAT 21 FEDERAL #001				Attention: Jim Raley				Lab WOV		Job Number		1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Anna Byers				Address: 5315 Buena Vista Dr.				E503008		01058-0007					5 day TAT					
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220				Analysis and Method										RCRA		
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502				Depth (ft.)	PFH GDOC/DGOC by 8015	BTEX by 807	VOC by 804	Metals by 810	Chloride 300.9	BDDOC - NM	GDOC - TX	State				
Phone: 432-305-6415				Email: jim.raley@devn.com												NM	CO	UT	AZ	TX
Email: NMTXGeoGroup@etechnv.com				WBS: 1007085301																
Collected by: Haleigh Blume				Incident ID: nRM2003860041																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	PFH GDOC/DGOC by 8015	BTEX by 807	VOC by 804	Metals by 810	Chloride 300.9	BDDOC - NM	GDOC - TX	Remarks						
13:30	02.27.25	S	1	BH03 A	1	0.5'						X		Changed Sample Names per E. Herrera 3/11/25 CM						
13:35	02.27.25	S	1	BH03 A	2	1'						X								
13:40	02.27.25	S	1	BH03 A	3	2'						X								
13:45	02.27.25	S	1	BH03 A	4	3'						X								
13:50	02.27.25	S	1	BH03 A	5	4'						X								
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.										
Relinquished by: (Signature) <i>Haleigh Blume</i>				Date: 02/27/25		Time: 1610		Received by: (Signature) <i>Michelle Gonzales</i>				Date: 2.28.25		Time: 1715		Lab Use Only				
Relinquished by: (Signature) <i>Michelle Gonzales</i>				Date: 3.3.25		Time: 1610		Received by: (Signature) <i>[Signature]</i>				Date: 3.3.25		Time: 1700		Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N				
Relinquished by: (Signature) <i>[Signature]</i>				Date: 3.3.25		Time: 2400		Received by: (Signature) <i>Caitlin Mann</i>				Date: 3.4.25		Time: 1600		T1 _____ T2 _____ T3 _____				
Sample Matrix: S - Sol, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



envirotech

Report to:  
Anna Byers



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Devon Energy - Carlsbad

Project Name: TOMCAT 21 FEDERAL #001

Work Order: E503009

Job Number: 01058-0007

Received: 3/4/2025

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/11/25

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.



Date Reported: 3/11/25

Anna Byers  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: TOMCAT 21 FEDERAL #001  
Workorder: E503009  
Date Received: 3/4/2025 6:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/4/2025 6:00:00AM, under the Project Name: TOMCAT 21 FEDERAL #001.

The analytical test results summarized in this report with the Project Name: TOMCAT 21 FEDERAL #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 03/11/25 09:58
---	---	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04A 0.5'	E503009-01A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.
BH04A 1'	E503009-02A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.
BH04A 2'	E503009-03A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.
BH04A 3'	E503009-04A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.
BH04A 4'	E503009-05A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.

### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 9:58:28AM
---	---	---

**BH04A 0.5'**  
**E503009-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510040
Benzene	ND	0.0250	1	03/04/25	03/04/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/04/25	
Toluene	ND	0.0250	1	03/04/25	03/04/25	
o-Xylene	ND	0.0250	1	03/04/25	03/04/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/04/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.5 %	70-130	03/04/25	03/04/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.8 %	70-130	03/04/25	03/04/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2510047
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>						
		111 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510046
Chloride	30.9	20.0	1	03/04/25	03/04/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 9:58:28AM
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**BH04A 1'**

**E503009-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510040
Benzene	ND	0.0250	1	03/04/25	03/04/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/04/25	
Toluene	ND	0.0250	1	03/04/25	03/04/25	
o-Xylene	ND	0.0250	1	03/04/25	03/04/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/04/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.5 %	70-130	03/04/25	03/04/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.0 %	70-130	03/04/25	03/04/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2510047
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510046
Chloride	55.9	20.0	1	03/04/25	03/04/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 9:58:28AM
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**BH04A 2'**

**E503009-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510040
Benzene	ND	0.0250	1	03/04/25	03/04/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/04/25	
Toluene	ND	0.0250	1	03/04/25	03/04/25	
o-Xylene	ND	0.0250	1	03/04/25	03/04/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/04/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		95.3 %	70-130	03/04/25	03/04/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.2 %	70-130	03/04/25	03/04/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2510047
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>						
		102 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510046
Chloride	170	20.0	1	03/04/25	03/04/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 9:58:28AM
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**BH04A 3'**

**E503009-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510040
Benzene	ND	0.0250	1	03/04/25	03/04/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/04/25	
Toluene	ND	0.0250	1	03/04/25	03/04/25	
o-Xylene	ND	0.0250	1	03/04/25	03/04/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/04/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.6 %	70-130	03/04/25	03/04/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.7 %	70-130	03/04/25	03/04/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2510047
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510046
Chloride	255	20.0	1	03/04/25	03/04/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 9:58:28AM
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**BH04A 4'**

**E503009-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510040
Benzene	ND	0.0250	1	03/04/25	03/04/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/04/25	
Toluene	ND	0.0250	1	03/04/25	03/04/25	
o-Xylene	ND	0.0250	1	03/04/25	03/04/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/04/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.9 %	70-130	03/04/25	03/04/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.7 %	70-130	03/04/25	03/04/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2510047
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510046
Chloride	653	20.0	1	03/04/25	03/04/25	



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 9:58:28AM
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#### Volatile Organics by EPA 8021B

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2510040-BLK1)

Prepared: 03/04/25 Analyzed: 03/04/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130			

#### LCS (2510040-BS1)

Prepared: 03/04/25 Analyzed: 03/04/25

Benzene	4.72	0.0250	5.00		94.3	70-130			
Ethylbenzene	4.81	0.0250	5.00		96.1	70-130			
Toluene	4.82	0.0250	5.00		96.4	70-130			
o-Xylene	4.83	0.0250	5.00		96.6	70-130			
p,m-Xylene	9.79	0.0500	10.0		97.9	70-130			
Total Xylenes	14.6	0.0250	15.0		97.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.86		8.00		98.2	70-130			

#### Matrix Spike (2510040-MS1)

Source: E503010-04

Prepared: 03/04/25 Analyzed: 03/04/25

Benzene	5.17	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.25	0.0250	5.00	ND	105	61-133			
Toluene	5.28	0.0250	5.00	ND	106	61-130			
o-Xylene	5.28	0.0250	5.00	ND	106	63-131			
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131			
Total Xylenes	16.0	0.0250	15.0	ND	106	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.81		8.00		97.6	70-130			

#### Matrix Spike Dup (2510040-MSD1)

Source: E503010-04

Prepared: 03/04/25 Analyzed: 03/04/25

Benzene	4.89	0.0250	5.00	ND	97.8	54-133	5.63	20	
Ethylbenzene	4.98	0.0250	5.00	ND	99.6	61-133	5.31	20	
Toluene	5.00	0.0250	5.00	ND	100	61-130	5.38	20	
o-Xylene	5.01	0.0250	5.00	ND	100	63-131	5.22	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	5.20	20	
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131	5.21	20	
Surrogate: 4-Bromochlorobenzene-PID	7.76		8.00		97.0	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 9:58:28AM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2510040-BLK1)**

Prepared: 03/04/25 Analyzed: 03/04/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		92.9	70-130			

**LCS (2510040-BS2)**

Prepared: 03/04/25 Analyzed: 03/04/25

Gasoline Range Organics (C6-C10)	39.7	20.0	50.0		79.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			

**Matrix Spike (2510040-MS2)**

Source: E503010-04

Prepared: 03/04/25 Analyzed: 03/04/25

Gasoline Range Organics (C6-C10)	44.8	20.0	50.0	ND	89.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			

**Matrix Spike Dup (2510040-MSD2)**

Source: E503010-04

Prepared: 03/04/25 Analyzed: 03/04/25

Gasoline Range Organics (C6-C10)	42.9	20.0	50.0	ND	85.8	70-130	4.36	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.3	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 9:58:28AM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2510047-BLK1)**

Prepared: 03/04/25 Analyzed: 03/05/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	49.9		50.0		99.9	61-141			

**LCS (2510047-BS1)**

Prepared: 03/04/25 Analyzed: 03/05/25

Diesel Range Organics (C10-C28)	224	25.0	250		89.7	66-144			
Surrogate: <i>n</i> -Nonane	51.0		50.0		102	61-141			

**Matrix Spike (2510047-MS1)**

Source: E503011-05

Prepared: 03/04/25 Analyzed: 03/05/25

Diesel Range Organics (C10-C28)	229	25.0	250	ND	91.7	56-156			
Surrogate: <i>n</i> -Nonane	52.2		50.0		104	61-141			

**Matrix Spike Dup (2510047-MSD1)**

Source: E503011-05

Prepared: 03/04/25 Analyzed: 03/05/25

Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.8	56-156	5.48	20	
Surrogate: <i>n</i> -Nonane	55.6		50.0		111	61-141			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 9:58:28AM
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#### Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2510046-BLK1)**

Prepared: 03/04/25 Analyzed: 03/04/25

Chloride ND 20.0

**LCS (2510046-BS1)**

Prepared: 03/04/25 Analyzed: 03/04/25

Chloride 257 20.0 250 103 90-110

**Matrix Spike (2510046-MS1)**

Source: E503009-03

Prepared: 03/04/25 Analyzed: 03/04/25

Chloride 432 20.0 250 170 105 80-120

**Matrix Spike Dup (2510046-MSD1)**

Source: E503009-03

Prepared: 03/04/25 Analyzed: 03/04/25

Chloride 424 20.0 250 170 101 80-120 1.85 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Devon Energy - Carlsbad	Project Name:	TOMCAT 21 FEDERAL #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Anna Byers	03/11/25 09:58

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Devon Energy Production Company, LP Project: TOMCAT 21 FEDERAL #001 Project Manager: Anna Byers Address: 13000 W County Rd 100 City, State, Zip: Odessa, TX, 79765 Phone: 432-305-6415 Email: NMTXGeoGroup@etechnv.com		Bill To Attention: Jim Raley Address: 5315 Buena Vista Dr. City, State, Zip: Carlsbad, NM, 88220 Phone: 575-885-7502 Email: jim.raley@dvn.com WBS: 1007085301 Incident ID: nRM2003860041		Lab Use Only		TAT			EPA Program			
				Lab WO# <b>E503009</b>	Job Number <b>01058-0007</b>	1D	2D	3D	Standard 5 day TAT	CWA	SDWA	RCRA
Collected by: Haleigh Blume				Analysis and Method							State	
				Depth (ft.)	TPH GLO/DRO/OBO by 8015	BTEX by 8021	VOC by 8260	Metals 8010	Chloride 3050	IGDOC NM	GDOC TX	NM

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GLO/DRO/OBO by 8015	BTEX by 8021	VOC by 8260	Metals 8010	Chloride 3050	IGDOC NM	GDOC TX	Remarks
14:25	02.27.25	S	1	BH04	1	0.5'						X		
14:30	02.27.25	S	1	BH04	2	1'						X		
14:35	02.27.25	S	1	BH04	3	2'						X		
14:40	02.27.25	S	1	BH04	4	3'						X		
14:45	02.27.25	S	1	BH04	5	4'						X		

**Additional Instructions:**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <i>Haleigh Blume</i>		Date: <i>02/28/25</i>	Time: <i>1715</i>	Received by: (Signature) <i>Michelle Gonzales</i>		Date: <i>2-28-25</i>	Time: <i>1715</i>	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>	
Relinquished by: (Signature) <i>Michelle Gonzales</i>		Date: <i>3-3-25</i>	Time: <i>1610</i>	Received by: (Signature) <i>J.M.</i>		Date: <i>3-3-25</i>	Time: <i>1700</i>		
Relinquished by: (Signature) <i>J.M.</i>		Date: <i>3-3-25</i>	Time: <i>2400</i>	Received by: (Signature) <i>Caitlin Mann</i>		Date: <i>3-4-25</i>	Time: <i>600</i>		

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other  
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA  
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this CDC. The liability of the laboratory is limited to the amount paid for on the report.

### Envirotech Analytical Laboratory

Printed: 3/4/2025 10:45:48AM

#### Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	03/04/25 06:00	Work Order ID:	E503009
Phone:	(575) 748-0176	Date Logged In:	03/03/25 15:02	Logged In By:	Caitlin Mars
Email:	anna@etechnv.com	Due Date:	03/07/25 17:00 (3 day TAT)		

#### Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

#### Comments/Resolution

#### Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

#### Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

#### Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

#### Field Label

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

#### Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

#### Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

#### Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

#### Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Client: Devon Energy Production Company, LP				<b>Bill To</b>				<b>Lab Use Only</b>				<b>TAT</b>				<b>EPA Program</b>							
Project: TOMCAT 21 FEDERAL #001				Attention: Jim Raley				Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA						
Project Manager: Anna Byers				Address: 5315 Buena Vista Dr.				E503009		01058-9007					5 day TAT								
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220				Analysis and Method										RCRA					
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502														State					
Phone: 432-305-6415				Email: jim.raley@dvn.com				PFH G R Q D O D M by 8015 BTEX by 8021 VOC by 8260 Metals 4010 Chloride 100.0 BGDOC NM GDOC TX										NM		CO	UT	AZ	TX
Email: NMTXGeoGroup@etechnv.com				WBS: 1007085301														Remarks					
Incident ID: nRM2003860041				Collected by: Haleigh Blume																			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	PFH	G	R	Q	D	O	D	M	BTEX	VOC	Metals	Chloride	BGDOC	GDOC	Remarks		
14:25	02.27.25	S	1	BH04 A	1	0.5'																Changed Sample Names Per. E. Herrera 3/11/25 CM	
14:30	02.27.25	S	1	BH04 A	2	1'																	
14:35	02.27.25	S	1	BH04 A	3	2'																	
14:40	02.27.25	S	1	BH04 A	4	3'																	
14:45	02.27.25	S	1	BH04 A	5	4'																	
<b>Additional Instructions:</b>																							
I (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.											
Relinquished by: (Signature) <i>Haleigh Blume</i>				Date 02/27/25		Time 1715		Received by: (Signature) <i>Michelle Gonzales</i>				Date 2.28.25		Time 1715		Lab Use Only							
Relinquished by: (Signature) <i>Michelle Gonzales</i>				Date 3.3.25		Time 1610		Received by: (Signature) <i>J.M.</i>				Date 3.3.25		Time 1700		Received on ice: <input checked="" type="checkbox"/> / N							
Relinquished by: (Signature) <i>J.M.</i>				Date 3.3.25		Time 2400		Received by: (Signature) <i>Caitlin Mann</i>				Date 3.4.25		Time 600		T1 _____ T2 _____ T3 _____							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA											
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							



Report to:  
Anna Byers



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Devon Energy - Carlsbad

Project Name: TOMCAT 21 FEDERAL #001

Work Order: E503010

Job Number: 01058-0007

Received: 3/4/2025

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/11/25

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Report to:  
Anna Byers



# envirotech

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## Analytical Report

### Devon Energy - Carlsbad

Project Name: TOMCAT 21 FEDERAL #001

Work Order: E508326

Job Number: 01058-0007

Received: 8/29/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/5/25

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/5/25



Anna Byers  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: TOMCAT 21 FEDERAL #001  
Workorder: E508326  
Date Received: 8/29/2025 7:15:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/29/2025 7:15:00AM, under the Project Name: TOMCAT 21 FEDERAL #001.

The analytical test results summarized in this report with the Project Name: TOMCAT 21 FEDERAL #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 09/05/25 08:35
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 4'	E508326-01A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
FS02 4'	E508326-02A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
FS03 4'	E508326-03A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
FS04 4'	E508326-04A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
FS05 4'	E508326-05A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
FS06 4'	E508326-06A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
FS07 4'	E508326-07A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
FS08 4'	E508326-08A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
FS09 4'	E508326-09A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
FS10 4'	E508326-10A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
FS11 4'	E508326-11A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.

## Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 9/5/2025 8:35:04AM
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**FS01 4'**

**E508326-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.7 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		106 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2535131
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	09/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	09/03/25	
<i>Surrogate: n-Nonane</i>						
		98.1 %	61-141	08/29/25	09/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2535127
Chloride	4440	40.0	2	08/29/25	08/29/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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**FS02 4'**

**E508326-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2535131
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	09/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	09/03/25	
<i>Surrogate: n-Nonane</i>		94.6 %	61-141	08/29/25	09/03/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2535127
Chloride	1070	20.0	1	08/29/25	08/29/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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**FS03 4'**

**E508326-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2535131
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	09/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	09/03/25	
<i>Surrogate: n-Nonane</i>		94.6 %	61-141	08/29/25	09/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2535127
Chloride	3950	40.0	2	08/29/25	08/29/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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**FS04 4'**

**E508326-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.6 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		110 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2535131
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	09/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	09/03/25	
<i>Surrogate: n-Nonane</i>		96.2 %	61-141	08/29/25	09/03/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2535127
Chloride	855	20.0	1	08/29/25	09/02/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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**FS05 4'**

**E508326-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2535131
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	09/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	09/03/25	
<i>Surrogate: n-Nonane</i>		98,3 %	61-141	08/29/25	09/03/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2535127
Chloride	<b>2610</b>	40.0	2	08/29/25	08/29/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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**FS06 4'**

**E508326-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.8 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		106 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2535131
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	09/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	09/04/25	
<i>Surrogate: n-Nonane</i>						
		96.7 %	61-141	08/29/25	09/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2535127
Chloride	2210	40.0	2	08/29/25	08/29/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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**FS07 4'**

**E508326-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.2 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2535131
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	09/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	09/04/25	
<i>Surrogate: n-Nonane</i>		95.7 %	61-141	08/29/25	09/04/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2535127
Chloride	1350	20.0	1	08/29/25	08/29/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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**FS08 4'**

**E508326-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.5 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2535131
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	09/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	09/04/25	
<i>Surrogate: n-Nonane</i>		96.2 %	61-141	08/29/25	09/04/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2535127
Chloride	1470	20.0	1	08/29/25	08/29/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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**FS09 4'**

**E508326-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.1 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2535131
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	09/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	09/04/25	
<i>Surrogate: n-Nonane</i>		97.1 %	61-141	08/29/25	09/04/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2535127
Chloride	885	20.0	1	08/29/25	08/29/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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**FS10 4'**

**E508326-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.4 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2535131
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	09/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	09/04/25	
<i>Surrogate: n-Nonane</i>		98.1 %	61-141	08/29/25	09/04/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2535127
Chloride	718	20.0	1	08/29/25	08/29/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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**FS11 4'**

**E508326-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.3 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2535131
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	09/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	09/04/25	
<i>Surrogate: n-Nonane</i>		99.1 %	61-141	08/29/25	09/04/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2535127
Chloride	148	20.0	1	08/29/25	08/29/25	



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 9/5/2025 8:35:04AM
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#### Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2535137-BLK1)

Prepared: 08/29/25 Analyzed: 08/30/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.1	70-130			

#### LCS (2535137-BS1)

Prepared: 08/29/25 Analyzed: 08/30/25

Benzene	4.80	0.0250	5.00		96.1	70-130			
Ethylbenzene	4.72	0.0250	5.00		94.5	70-130			
Toluene	4.78	0.0250	5.00		95.6	70-130			
o-Xylene	4.77	0.0250	5.00		95.3	70-130			
p,m-Xylene	9.59	0.0500	10.0		95.9	70-130			
Total Xylenes	14.4	0.0250	15.0		95.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.8	70-130			

#### Matrix Spike (2535137-MS1)

Source: E508326-03

Prepared: 08/29/25 Analyzed: 08/30/25

Benzene	5.25	0.0250	5.00	ND	105	70-130			
Ethylbenzene	5.18	0.0250	5.00	ND	104	70-130			
Toluene	5.23	0.0250	5.00	ND	105	70-130			
o-Xylene	5.18	0.0250	5.00	ND	104	70-130			
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130			
Total Xylenes	15.7	0.0250	15.0	ND	104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.8	70-130			

#### Matrix Spike Dup (2535137-MSD1)

Source: E508326-03

Prepared: 08/29/25 Analyzed: 08/30/25

Benzene	5.26	0.0250	5.00	ND	105	70-130	0.188	27	
Ethylbenzene	5.20	0.0250	5.00	ND	104	70-130	0.426	26	
Toluene	5.24	0.0250	5.00	ND	105	70-130	0.233	20	
o-Xylene	5.18	0.0250	5.00	ND	104	70-130	0.155	25	
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130	0.339	23	
Total Xylenes	15.7	0.0250	15.0	ND	105	70-130	0.279	26	
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.2	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

**Blank (2535137-BLK1)**

Prepared: 08/29/25 Analyzed: 08/30/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.45		8.00		106	70-130			

**LCS (2535137-BS2)**

Prepared: 08/29/25 Analyzed: 08/30/25

Gasoline Range Organics (C6-C10)	48.8	20.0	50.0		97.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.28		8.00		104	70-130			

**Matrix Spike (2535137-MS2)**

Source: E508326-03

Prepared: 08/29/25 Analyzed: 08/30/25

Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.39		8.00		105	70-130			

**Matrix Spike Dup (2535137-MSD2)**

Source: E508326-03

Prepared: 08/29/25 Analyzed: 08/30/25

Gasoline Range Organics (C6-C10)	53.3	20.0	50.0	ND	107	70-130	1.28	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.51		8.00		106	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2535131-BLK1)**

Prepared: 08/29/25 Analyzed: 09/03/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	45.6		50.0		91.2	61-141			

**LCS (2535131-BS1)**

Prepared: 08/29/25 Analyzed: 09/03/25

Diesel Range Organics (C10-C28)	272	25.0	250		109	66-144			
Surrogate: <i>n</i> -Nonane	46.7		50.0		93.5	61-141			

**Matrix Spike (2535131-MS1)**

Source: E508326-05

Prepared: 08/29/25 Analyzed: 09/03/25

Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	56-156			
Surrogate: <i>n</i> -Nonane	47.1		50.0		94.2	61-141			

**Matrix Spike Dup (2535131-MSD1)**

Source: E508326-05

Prepared: 08/29/25 Analyzed: 09/03/25

Diesel Range Organics (C10-C28)	295	25.0	250	ND	118	56-156	3.73	20	
Surrogate: <i>n</i> -Nonane	49.1		50.0		98.2	61-141			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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#### Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2535127-BLK1)**

Prepared: 08/29/25 Analyzed: 08/29/25

Chloride ND 20.0

**LCS (2535127-BS1)**

Prepared: 08/29/25 Analyzed: 08/29/25

Chloride 254 20.0 250 101 90-110

**Matrix Spike (2535127-MS1)**

Source: E508326-04

Prepared: 08/29/25 Analyzed: 09/02/25

Chloride 1090 20.0 250 855 92.1 80-120

**Matrix Spike Dup (2535127-MSD1)**

Source: E508326-04

Prepared: 08/29/25 Analyzed: 09/02/25

Chloride 1080 20.0 250 855 89.0 80-120 0.716 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Devon Energy - Carlsbad	Project Name:	TOMCAT 21 FEDERAL #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Anna Byers	09/05/25 08:35

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Devon Energy Production Company, LP				Company: Devon Energy Production Co.				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: TOMCAT 21 FEDERAL #001				Address: 5315 Buena Vista Dr.				E 508326		01058-0007						X			
Project Manager: Anna Byers				City, State, Zip: Carlsbad, NM, 88220															
Address: 13000 W County Rd 100				Phone: 575-885-7502															
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@dev.com															
Phone: 432-305-6415				Miscellaneous: WO: 1007085301; PN: 19304;															
Email: NMTXGeoGroup@etechnv.com				IN: nBM2003860041															

Sample Information										Analysis and Method								EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DE/DO by 8015	GR/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TH - 2000-TH	RCRA 8 Metals	MSOC - NM	MSOC - TX	SDWA	CWA	RCRA		
11:50	8/27/2025	S	1	FS01	4'	1								X						
11:55	8/27/2025	S	1	FS02	4'	2								X						
10:20	8/27/2025	S	1	FS03	4'	3								X						
10:25	8/27/2025	S	1	FS04	4'	4								X						
10:30	8/27/2025	S	1	FS05	4'	5								X						
10:35	8/27/2025	S	1	FS06	4'	6								X						
10:40	8/27/2025	S	1	FS07	4'	7								X						
10:45	8/27/2025	S	1	FS08	4'	8								X						
10:50	8/27/2025	S	1	FS09	4'	9								X						
12:00	8/27/2025	S	1	FS10	4'	10								X						

**Additional Instructions:**

I, (Field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: <i>Maleigh Blume</i>										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. <b>Lab Use Only</b> Received on ice: <i>DN</i>							
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time												
<i>Maleigh Blume</i>	8-28-25	1428	<i>Michelle Gonzales</i>	8-28-25	1428												
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time												
<i>Michelle Gonzales</i>	8-28-25	1530	<i>Marissa Gonzales</i>	8-28-25	1530												
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time												
<i>Marissa Gonzales</i>	8-28-25	1900	<i>Andrew Musso</i>	8-28-25	1900												
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time												
<i>Andrew Musso</i>	8-28-25	2315	<i>Nae Sato</i>	8-29-25	0715												
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time												

Sample Matrix: S - Soil, SD - Solid, Sg - Sludge, A - Aqueous, O - Other      Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Chain of Custody

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Devon Energy Production Company, LP				Company: Devon Energy Production Co.				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: TOMCAT 21 FEDERAL #001				Address: 5315 Buena Vista Dr.				E508326		01058-007					x	X			
Project Manager: Anna Byers				City, State, Zip: Carlsbad, NM, 88220															
Address: 13000 W County Rd 100				Phone: 575-885-7502															
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@dvn.com															
Phone: 432-305-6415				Miscellaneous: WO: 1007085301; PN: 19304;															
Email: NMTXGeoGroup@etechnv.com				IN: nRM2003860041															

Sample Information										Analysis and Method								EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	1008 As Org/Org	GHQ/DRO by 8015	BTEX by 8021	VOC by 8060	Chloride 800.0	16 - spot Dist	ICGA 8 Metals	8000 - NM	8000 - TR	SDWA	CWA	RCRA		
																Compliance	Y	or	N	
																PWSID #				
																Sample Temp			Remarks	
12:05	8/27/2025	S	1	F511	4'	11									X				4.4	

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Relinquished by: (Signature) <i>Haleigh Blume</i>	Date 8/28/25	Time 1428	Received by: (Signature) <i>Michelle Gonzales</i>	Date 8-28-25	Time 1428	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date 8-28-25	Time 1530	Received by: (Signature) <i>Marissa Gonzales</i>	Date 8-28-25	Time 1530	
Relinquished by: (Signature) <i>Marissa Gonzales</i>	Date 8-28-25	Time 1900	Received by: (Signature) <i>Andrew Musso</i>	Date 8-28-25	Time 1900	
Relinquished by: (Signature) <i>Andrew Musso</i>	Date 8-28-25	Time 2315	Received by: (Signature) <i>Noe</i>	Date 8-29-25	Time 0715	
Lab Use Only						Received on ice: Y/N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

### Envirotech Analytical Laboratory

Printed: 8/29/2025 10:45:31AM

#### Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	08/29/25 07:15	Work Order ID:	E508326
Phone:	(575) 748-0176	Date Logged In:	08/28/25 15:51	Logged In By:	Caitlin Mars
Email:	anna@etechnv.com	Due Date:	09/05/25 07:00 (4 day TAT)		

#### Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

#### Comments/Resolution

#### Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

#### Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

#### Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

#### Field Label

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

#### Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

#### Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

#### Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

#### Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Date Reported: 3/11/25



Anna Byers  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: TOMCAT 21 FEDERAL #001  
Workorder: E503010  
Date Received: 3/4/2025 6:00:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/4/2025 6:00:00AM, under the Project Name: TOMCAT 21 FEDERAL #001.

The analytical test results summarized in this report with the Project Name: TOMCAT 21 FEDERAL #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 03/11/25 10:00
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH05A 0.5'	E503010-01A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.
BH05A 1'	E503010-02A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.
BH05A 2'	E503010-03A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.
BH05A 3'	E503010-04A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.
BH05A 4'	E503010-05A	Soil	02/27/25	03/04/25	Glass Jar, 2 oz.

### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 10:00:48AM
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**BH05A 0.5'**  
**E503010-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510040
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.8 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.0 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2510047
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510046
Chloride	ND	20.0	1	03/04/25	03/04/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 10:00:48AM
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**BH05A 1'**

**E503010-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510040
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.1 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.0 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2510047
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510046
Chloride	ND	20.0	1	03/04/25	03/04/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 10:00:48AM
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**BH05A 2'**

**E503010-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510040
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.2 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.0 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2510047
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>						
		109 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510046
Chloride	ND	20.0	1	03/04/25	03/05/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 10:00:48AM
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**BH05A 3'**

**E503010-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510040
Benzene	ND	0.0250	1	03/04/25	03/04/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/04/25	
Toluene	ND	0.0250	1	03/04/25	03/04/25	
o-Xylene	ND	0.0250	1	03/04/25	03/04/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/04/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.8 %	70-130	03/04/25	03/04/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	70-130	03/04/25	03/04/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2510047
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>		110 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2510046
Chloride	ND	20.0	1	03/04/25	03/05/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 10:00:48AM
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**BH05A 4'**  
**E503010-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510040
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.6 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2510040
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2510047
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>		111 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2510046
Chloride	ND	20.0	1	03/04/25	03/05/25	

### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 10:00:48AM
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#### Volatile Organics by EPA 8021B

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2510040-BLK1)

Prepared: 03/04/25 Analyzed: 03/04/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130			

#### LCS (2510040-BS1)

Prepared: 03/04/25 Analyzed: 03/04/25

Benzene	4.72	0.0250	5.00		94.3	70-130			
Ethylbenzene	4.81	0.0250	5.00		96.1	70-130			
Toluene	4.82	0.0250	5.00		96.4	70-130			
o-Xylene	4.83	0.0250	5.00		96.6	70-130			
p,m-Xylene	9.79	0.0500	10.0		97.9	70-130			
Total Xylenes	14.6	0.0250	15.0		97.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.86		8.00		98.2	70-130			

#### Matrix Spike (2510040-MS1)

Source: E503010-04

Prepared: 03/04/25 Analyzed: 03/04/25

Benzene	5.17	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.25	0.0250	5.00	ND	105	61-133			
Toluene	5.28	0.0250	5.00	ND	106	61-130			
o-Xylene	5.28	0.0250	5.00	ND	106	63-131			
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131			
Total Xylenes	16.0	0.0250	15.0	ND	106	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.81		8.00		97.6	70-130			

#### Matrix Spike Dup (2510040-MSD1)

Source: E503010-04

Prepared: 03/04/25 Analyzed: 03/04/25

Benzene	4.89	0.0250	5.00	ND	97.8	54-133	5.63	20	
Ethylbenzene	4.98	0.0250	5.00	ND	99.6	61-133	5.31	20	
Toluene	5.00	0.0250	5.00	ND	100	61-130	5.38	20	
o-Xylene	5.01	0.0250	5.00	ND	100	63-131	5.22	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	5.20	20	
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131	5.21	20	
Surrogate: 4-Bromochlorobenzene-PID	7.76		8.00		97.0	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 10:00:48AM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2510040-BLK1)**

Prepared: 03/04/25 Analyzed: 03/04/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		92.9	70-130			

**LCS (2510040-BS2)**

Prepared: 03/04/25 Analyzed: 03/04/25

Gasoline Range Organics (C6-C10)	39.7	20.0	50.0		79.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			

**Matrix Spike (2510040-MS2)**

Source: E503010-04

Prepared: 03/04/25 Analyzed: 03/04/25

Gasoline Range Organics (C6-C10)	44.8	20.0	50.0	ND	89.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			

**Matrix Spike Dup (2510040-MSD2)**

Source: E503010-04

Prepared: 03/04/25 Analyzed: 03/04/25

Gasoline Range Organics (C6-C10)	42.9	20.0	50.0	ND	85.8	70-130	4.36	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.3	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 10:00:48AM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2510047-BLK1)**

Prepared: 03/04/25 Analyzed: 03/05/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.9		50.0		99.9	61-141			

**LCS (2510047-BS1)**

Prepared: 03/04/25 Analyzed: 03/05/25

Diesel Range Organics (C10-C28)	224	25.0	250		89.7	66-144			
Surrogate: n-Nonane	51.0		50.0		102	61-141			

**Matrix Spike (2510047-MS1)**

Source: E503011-05

Prepared: 03/04/25 Analyzed: 03/05/25

Diesel Range Organics (C10-C28)	229	25.0	250	ND	91.7	56-156			
Surrogate: n-Nonane	52.2		50.0		104	61-141			

**Matrix Spike Dup (2510047-MSD1)**

Source: E503011-05

Prepared: 03/04/25 Analyzed: 03/05/25

Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.8	56-156	5.48	20	
Surrogate: n-Nonane	55.6		50.0		111	61-141			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 3/11/2025 10:00:48AM
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#### Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2510046-BLK1)**

Prepared: 03/04/25 Analyzed: 03/04/25

Chloride ND 20.0

**LCS (2510046-BS1)**

Prepared: 03/04/25 Analyzed: 03/04/25

Chloride 257 20.0 250 103 90-110

**Matrix Spike (2510046-MS1)**

Source: E503009-03

Prepared: 03/04/25 Analyzed: 03/04/25

Chloride 432 20.0 250 170 105 80-120

**Matrix Spike Dup (2510046-MSD1)**

Source: E503009-03

Prepared: 03/04/25 Analyzed: 03/04/25

Chloride 424 20.0 250 170 101 80-120 1.85 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Devon Energy - Carlsbad	Project Name:	TOMCAT 21 FEDERAL #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Anna Byers	03/11/25 10:00

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Devon Energy Production Company, LP	<b>Bill To</b>	<b>Lab Use Only</b>	<b>TAT</b>	<b>EPA Program</b>	
Project: TOMCAT 21 FEDERAL #001	Attention: Jim Raley	Lab WO# <b>E503010</b>	Job Number <b>01058-0007</b>	1D <input type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <b>5 day TAT</b>	CWA <input type="checkbox"/> SDWA <input type="checkbox"/>
Project Manager: Anna Byers	Address: 5315 Buena Vista Dr.	City, State, Zip: Carlsbad, NM, 88220			RCRA <input type="checkbox"/>
Address: 13000 W County Rd 100	City, State, Zip: Odessa, TX, 79765	Phone: 575-885-7502			State NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>
City, State, Zip: Odessa, TX, 79765	Phone: 432-305-6415	Email: jim.raley@dvn.com			
Phone: 432-305-6415	Email: NMTXGeoGroup@etechemv.com	WBS: 1007085301			
Email: NMTXGeoGroup@etechemv.com	Incident ID: nRM2003860041	Analysis and Method			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	THM-GRO(DRO)/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGGOC NIM	GGOC TX	Remarks					
														NM	CO	UT	AZ	TX	
15:30	02.27.25	S	1	BH05	1	0.5'						X							
15:35	02.27.25	S	1	BH05	2	1'						X							
15:40	02.27.25	S	1	BH05	3	2'						X							
15:45	02.27.25	S	1	BH05	4	3'						X							
16:15	02.27.25	S	1	BH05	5	4'						X							

**Additional Instructions:**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: HR

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>2.28.25</u>	Time <u>12:20</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>2.28.25</u>	Time <u>1715</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>3.3.25</u>	Time <u>1610</u>	Received by: (Signature) <u>S.M.</u>	Date <u>3.3.25</u>	Time <u>1700</u>	
Relinquished by: (Signature) <u>S.M.</u>	Date <u>3.3.25</u>	Time <u>2400</u>	Received by: (Signature) <u>Cristy Mann</u>	Date <u>3.4.25</u>	Time <u>6000</u>	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Envirotech Analytical Laboratory

Printed: 3/4/2025 10:47:43AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Devon Energy - Carlsbad Date Received: 03/04/25 06:00 Work Order ID: E503010
Phone: (575) 748-0176 Date Logged In: 03/03/25 15:06 Logged In By: Caitlin Mars
Email: anna@etechnv.com Due Date: 03/07/25 17:00 (3 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

- 13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Client: Devon Energy Production Company, LP		Bill To		Lab Use Only				TAT			EPA Program										
Project: TOMCAT 21 FEDERAL #001		Attention: Jim Raley		Lab WO#	Job Number			1D	2D	3D	Standard	CWA	SDWA								
Project Manager: Anna Byers		Address: 5315 Buena Vista Dr.		E503010	01058-0007						5 day TAT										
Address: 13000 W County Rd 100		City, State, Zip: Carlsbad, NM, 88220		Analysis and Method									RCRA								
City, State, Zip: Odessa, TX, 79765		Phone: 575-885-7502		Depth (ft)	TPH GPD/GAO/GAO by 8015	BTEX by 8021	VOC by 8160	Metals 6010	Cyanide 3000	BGDOOC NM	GDIOC TX	State									
Phone: 432-305-6415		Email: jim.raley@dvn.com										NM	CO	UT	AZ	TX					
Email: NMTXGeoGroup@etechnv.com		WBS: 1007085301																			
		Incident ID: nRM2003860041																			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft)	TPH GPD/GAO/GAO by 8015	BTEX by 8021	VOC by 8160	Metals 6010	Cyanide 3000	BGDOOC NM	GDIOC TX	Remarks
15:30	02-27-25	S	1	BH05 A	1	0.5'						X		Changed Sample names per E Herrera 3/11/25 CM
15:35	02-27-25	S	1	BH05 A	2	1'						X		
15:40	02-27-25	S	1	BH05 A	3	2'						X		
15:45	02-27-25	S	1	BH05 A	4	3'						X		
16:15	02-27-25	S	1	BH05 A	5	4'						X		

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <i>Anna Byers</i>	Date 2-28-25	Time 1715	Received by: (Signature) <i>Michelle Gonzales</i>	Date 2-28-25	Time 1715	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date 3-3-25	Time 1610	Received by: (Signature) <i>J.H.</i>	Date 3-3-25	Time 1700	
Relinquished by: (Signature) <i>J.H.</i>	Date 3-3-25	Time 2400	Received by: (Signature) <i>Cristy Mann</i>	Date 3-4-25	Time 1600	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other  
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Report to:  
Anna Byers



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Devon Energy - Carlsbad

Project Name: TOMCAT 21 FEDERAL #001

Work Order: E508326

Job Number: 01058-0007

Received: 8/29/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/5/25

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.



Date Reported: 9/5/25

Anna Byers  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: TOMCAT 21 FEDERAL #001  
Workorder: E508326  
Date Received: 8/29/2025 7:15:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/29/2025 7:15:00AM, under the Project Name: TOMCAT 21 FEDERAL #001.

The analytical test results summarized in this report with the Project Name: TOMCAT 21 FEDERAL #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 09/05/25 08:35
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 4'	E508326-01A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
FS02 4'	E508326-02A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
FS03 4'	E508326-03A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
FS04 4'	E508326-04A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
FS05 4'	E508326-05A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
FS06 4'	E508326-06A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
FS07 4'	E508326-07A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
FS08 4'	E508326-08A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
FS09 4'	E508326-09A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
FS10 4'	E508326-10A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
FS11 4'	E508326-11A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.

### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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**FS01 4'**

**E508326-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.7 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2535131
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	09/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	09/03/25	
<i>Surrogate: n-Nonane</i>		98.1 %	61-141	08/29/25	09/03/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2535127
Chloride	4440	40.0	2	08/29/25	08/29/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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**FS02 4'**

**E508326-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2535131
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	09/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	09/03/25	
<i>Surrogate: n-Nonane</i>		94.6 %	61-141	08/29/25	09/03/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2535127
Chloride	1070	20.0	1	08/29/25	08/29/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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**FS03 4'**

**E508326-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2535131
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	09/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	09/03/25	
<i>Surrogate: n-Nonane</i>		94.6 %	61-141	08/29/25	09/03/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2535127
Chloride	3950	40.0	2	08/29/25	08/29/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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**FS04 4'**

**E508326-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.6 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		110 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2535131
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	09/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	09/03/25	
<i>Surrogate: n-Nonane</i>		96.2 %	61-141	08/29/25	09/03/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2535127
Chloride	855	20.0	1	08/29/25	09/02/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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**FS05 4'**

**E508326-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2535131
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	09/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	09/03/25	
<i>Surrogate: n-Nonane</i>		98,3 %	61-141	08/29/25	09/03/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2535127
Chloride	<b>2610</b>	40.0	2	08/29/25	08/29/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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**FS06 4'**

**E508326-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.8 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		106 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2535131
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	09/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	09/04/25	
<i>Surrogate: n-Nonane</i>						
		96.7 %	61-141	08/29/25	09/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2535127
Chloride	2210	40.0	2	08/29/25	08/29/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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**FS07 4'**

**E508326-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.2 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2535131
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	09/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	09/04/25	
<i>Surrogate: n-Nonane</i>		95.7 %	61-141	08/29/25	09/04/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2535127
Chloride	1350	20.0	1	08/29/25	08/29/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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**FS08 4'**

**E508326-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.5 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2535131
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	09/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	09/04/25	
<i>Surrogate: n-Nonane</i>		96.2 %	61-141	08/29/25	09/04/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2535127
Chloride	1470	20.0	1	08/29/25	08/29/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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**FS09 4'**

**E508326-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.1 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		105 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2535131
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	09/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	09/04/25	
<i>Surrogate: n-Nonane</i>		97.1 %	61-141	08/29/25	09/04/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2535127
Chloride	885	20.0	1	08/29/25	08/29/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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**FS10 4'**

**E508326-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.4 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: HM		Batch: 2535131
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	09/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	09/04/25	
<i>Surrogate: n-Nonane</i>		98.1 %	61-141	08/29/25	09/04/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: TP		Batch: 2535127
Chloride	718	20.0	1	08/29/25	08/29/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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**FS11 4'**

**E508326-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		99.3 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535137
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		104 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2535131
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	09/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	09/04/25	
<i>Surrogate: n-Nonane</i>						
		99.1 %	61-141	08/29/25	09/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: TP		Batch: 2535127
Chloride	148	20.0	1	08/29/25	08/29/25	



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 9/5/2025 8:35:04AM
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#### Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2535137-BLK1)

Prepared: 08/29/25 Analyzed: 08/30/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.1	70-130			

#### LCS (2535137-BS1)

Prepared: 08/29/25 Analyzed: 08/30/25

Benzene	4.80	0.0250	5.00		96.1	70-130			
Ethylbenzene	4.72	0.0250	5.00		94.5	70-130			
Toluene	4.78	0.0250	5.00		95.6	70-130			
o-Xylene	4.77	0.0250	5.00		95.3	70-130			
p,m-Xylene	9.59	0.0500	10.0		95.9	70-130			
Total Xylenes	14.4	0.0250	15.0		95.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.8	70-130			

#### Matrix Spike (2535137-MS1)

Source: E508326-03

Prepared: 08/29/25 Analyzed: 08/30/25

Benzene	5.25	0.0250	5.00	ND	105	70-130			
Ethylbenzene	5.18	0.0250	5.00	ND	104	70-130			
Toluene	5.23	0.0250	5.00	ND	105	70-130			
o-Xylene	5.18	0.0250	5.00	ND	104	70-130			
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130			
Total Xylenes	15.7	0.0250	15.0	ND	104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.8	70-130			

#### Matrix Spike Dup (2535137-MSD1)

Source: E508326-03

Prepared: 08/29/25 Analyzed: 08/30/25

Benzene	5.26	0.0250	5.00	ND	105	70-130	0.188	27	
Ethylbenzene	5.20	0.0250	5.00	ND	104	70-130	0.426	26	
Toluene	5.24	0.0250	5.00	ND	105	70-130	0.233	20	
o-Xylene	5.18	0.0250	5.00	ND	104	70-130	0.155	25	
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130	0.339	23	
Total Xylenes	15.7	0.0250	15.0	ND	105	70-130	0.279	26	
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.2	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2535137-BLK1)**

Prepared: 08/29/25 Analyzed: 08/30/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.45		8.00		106	70-130			

**LCS (2535137-BS2)**

Prepared: 08/29/25 Analyzed: 08/30/25

Gasoline Range Organics (C6-C10)	48.8	20.0	50.0		97.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.28		8.00		104	70-130			

**Matrix Spike (2535137-MS2)**

Source: E508326-03

Prepared: 08/29/25 Analyzed: 08/30/25

Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.39		8.00		105	70-130			

**Matrix Spike Dup (2535137-MSD2)**

Source: E508326-03

Prepared: 08/29/25 Analyzed: 08/30/25

Gasoline Range Organics (C6-C10)	53.3	20.0	50.0	ND	107	70-130	1.28	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.51		8.00		106	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2535131-BLK1)**

Prepared: 08/29/25 Analyzed: 09/03/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	45.6		50.0		91.2	61-141			

**LCS (2535131-BS1)**

Prepared: 08/29/25 Analyzed: 09/03/25

Diesel Range Organics (C10-C28)	272	25.0	250		109	66-144			
Surrogate: <i>n</i> -Nonane	46.7		50.0		93.5	61-141			

**Matrix Spike (2535131-MS1)**

Source: E508326-05

Prepared: 08/29/25 Analyzed: 09/03/25

Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	56-156			
Surrogate: <i>n</i> -Nonane	47.1		50.0		94.2	61-141			

**Matrix Spike Dup (2535131-MSD1)**

Source: E508326-05

Prepared: 08/29/25 Analyzed: 09/03/25

Diesel Range Organics (C10-C28)	295	25.0	250	ND	118	56-156	3.73	20	
Surrogate: <i>n</i> -Nonane	49.1		50.0		98.2	61-141			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:35:04AM
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#### Anions by EPA 300.0/9056A

Analyst: TP

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2535127-BLK1)**

Prepared: 08/29/25 Analyzed: 08/29/25

Chloride ND 20.0

**LCS (2535127-BS1)**

Prepared: 08/29/25 Analyzed: 08/29/25

Chloride 254 20.0 250 101 90-110

**Matrix Spike (2535127-MS1)**

Source: E508326-04

Prepared: 08/29/25 Analyzed: 09/02/25

Chloride 1090 20.0 250 855 92.1 80-120

**Matrix Spike Dup (2535127-MSD1)**

Source: E508326-04

Prepared: 08/29/25 Analyzed: 09/02/25

Chloride 1080 20.0 250 855 89.0 80-120 0.716 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Devon Energy - Carlsbad	Project Name:	TOMCAT 21 FEDERAL #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Anna Byers	09/05/25 08:35

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Devon Energy Production Company, LP				Company: Devon Energy Production Co.				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: TOMCAT 21 FEDERAL #001				Address: 5315 Buena Vista Dr.				E 508326		01058-0007						X			
Project Manager: Anna Byers				City, State, Zip: Carlsbad, NM, 88220															
Address: 13000 W County Rd 100				Phone: 575-885-7502															
City, State, Zip: Odessa, TX, 79765				Email: jim.raley@dvn.com															
Phone: 432-305-6415				Miscellaneous: WO: 1007085301; PN: 19304;															
Email: NMTXGeoGroup@etechenv.com				IN: nBM2003860041															

Sample Information										Analysis and Method								EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DE/DO by 8015	GR/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TR/2005-TR	RCRA 8 Metals	MSOC - NM	MSOC - TX	SDWA	CWA	RCRA		
11:50	8/27/2025	S	1	FS01	4'	1								X						
11:55	8/27/2025	S	1	FS02	4'	2								X						
10:20	8/27/2025	S	1	FS03	4'	3								X						
10:25	8/27/2025	S	1	FS04	4'	4								X						
10:30	8/27/2025	S	1	FS05	4'	5								X						
10:35	8/27/2025	S	1	FS06	4'	6								X						
10:40	8/27/2025	S	1	FS07	4'	7								X						
10:45	8/27/2025	S	1	FS08	4'	8								X						
10:50	8/27/2025	S	1	FS09	4'	9								X						
12:00	8/27/2025	S	1	FS10	4'	10								X						

**Additional Instructions:**

I, (Field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: <u>Maleigh Blume</u>										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>DN</u>													
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time																		
<u>Maleigh Blume</u>	<u>8/28/2025</u>	<u>1428</u>	<u>Michelle Gonzales</u>	<u>8-28-25</u>	<u>1428</u>																		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time																		
<u>Michelle Gonzales</u>	<u>8-28-25</u>	<u>1530</u>	<u>Marissa Gonzales</u>	<u>8-28-25</u>	<u>1530</u>																		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time																		
<u>Marissa Gonzales</u>	<u>8-28-25</u>	<u>1900</u>	<u>Andrew Musso</u>	<u>8.28.25</u>	<u>1900</u>																		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time																		
<u>Andrew Musso</u>	<u>8.28.25</u>	<u>2315</u>	<u>Nae Sate</u>	<u>8-29-25</u>	<u>0715</u>																		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time																		

Sample Matrix: S - Soil, SD - Solid, Sg - Sludge, A - Aqueous, O - Other      Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



### Envirotech Analytical Laboratory

Printed: 8/29/2025 10:45:31AM

#### Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	08/29/25 07:15	Work Order ID:	E508326
Phone:	(575) 748-0176	Date Logged In:	08/28/25 15:51	Logged In By:	Caitlin Mars
Email:	anna@etechnv.com	Due Date:	09/05/25 07:00 (4 day TAT)		

#### Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

#### Comments/Resolution

#### Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

#### Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

#### Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

#### Field Label

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

#### Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

#### Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

#### Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

#### Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Anna Byers



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Devon Energy - Carlsbad

Project Name: TOMCAT 21 FEDERAL #001

Work Order: E508325

Job Number: 01058-0007

Received: 8/29/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/5/25

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.



Date Reported: 9/5/25

Anna Byers  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: TOMCAT 21 FEDERAL #001  
Workorder: E508325  
Date Received: 8/29/2025 7:15:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/29/2025 7:15:00AM, under the Project Name: TOMCAT 21 FEDERAL #001.

The analytical test results summarized in this report with the Project Name: TOMCAT 21 FEDERAL #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 09/05/25 08:50
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01 0-4'	E508325-01A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
SW02 0-4'	E508325-02A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
SW03 0-4'	E508325-03A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
SW04 0-4'	E508325-04A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.
SW05 0-4'	E508325-05A	Soil	08/27/25	08/29/25	Glass Jar, 2 oz.



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:50:20AM
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**SW01 0-4'**  
**E508325-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535120
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535120
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2535126
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	08/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	08/30/25	
<i>Surrogate: n-Nonane</i>						
		95.1 %	61-141	08/29/25	08/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2535121
Chloride	242	20.0	1	08/29/25	08/29/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:50:20AM
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**SW02 0-4'**

**E508325-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535120
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.5 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2535120
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2535126
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	08/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	08/30/25	
<i>Surrogate: n-Nonane</i>		95.6 %	61-141	08/29/25	08/30/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2535121
Chloride	129	20.0	1	08/29/25	08/29/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:50:20AM
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**SW03 0-4'**

**E508325-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535120
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.0 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535120
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		105 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2535126
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	08/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	08/30/25	
<i>Surrogate: n-Nonane</i>						
		96.6 %	61-141	08/29/25	08/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2535121
Chloride	25.7	20.0	1	08/29/25	08/29/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:50:20AM
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**SW04 0-4'**

**E508325-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535120
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535120
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		104 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2535126
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	08/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	08/30/25	
<i>Surrogate: n-Nonane</i>						
		96.1 %	61-141	08/29/25	08/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2535121
Chloride	288	20.0	1	08/29/25	08/29/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:50:20AM
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**SW05 0-4'**

**E508325-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535120
Benzene	ND	0.0250	1	08/29/25	08/30/25	
Ethylbenzene	ND	0.0250	1	08/29/25	08/30/25	
Toluene	ND	0.0250	1	08/29/25	08/30/25	
o-Xylene	ND	0.0250	1	08/29/25	08/30/25	
p,m-Xylene	ND	0.0500	1	08/29/25	08/30/25	
Total Xylenes	ND	0.0250	1	08/29/25	08/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2535120
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/29/25	08/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		104 %	70-130	08/29/25	08/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2535126
Diesel Range Organics (C10-C28)	ND	25.0	1	08/29/25	08/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/29/25	08/30/25	
<i>Surrogate: n-Nonane</i>						
		99.1 %	61-141	08/29/25	08/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2535121
Chloride	142	20.0	1	08/29/25	08/29/25	



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	Reported: 9/5/2025 8:50:20AM
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#### Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2535120-BLK1)

Prepared: 08/29/25 Analyzed: 08/29/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	70-130			

#### LCS (2535120-BS1)

Prepared: 08/29/25 Analyzed: 08/29/25

Benzene	5.21	0.0250	5.00		104	70-130			
Ethylbenzene	5.15	0.0250	5.00		103	70-130			
Toluene	5.19	0.0250	5.00		104	70-130			
o-Xylene	5.15	0.0250	5.00		103	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			

#### Matrix Spike (2535120-MS1)

Source: E508321-01

Prepared: 08/29/25 Analyzed: 08/29/25

Benzene	5.28	0.0250	5.00	ND	106	70-130			
Ethylbenzene	5.21	0.0250	5.00	ND	104	70-130			
Toluene	5.26	0.0250	5.00	ND	105	70-130			
o-Xylene	5.21	0.0250	5.00	ND	104	70-130			
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130			
Total Xylenes	15.8	0.0250	15.0	ND	105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.6	70-130			

#### Matrix Spike Dup (2535120-MSD1)

Source: E508321-01

Prepared: 08/29/25 Analyzed: 08/29/25

Benzene	5.32	0.0250	5.00	ND	106	70-130	0.652	27	
Ethylbenzene	5.26	0.0250	5.00	ND	105	70-130	0.923	26	
Toluene	5.30	0.0250	5.00	ND	106	70-130	0.724	20	
o-Xylene	5.25	0.0250	5.00	ND	105	70-130	0.726	25	
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130	0.818	23	
Total Xylenes	15.9	0.0250	15.0	ND	106	70-130	0.788	26	
Surrogate: 4-Bromochlorobenzene-PID	8.08		8.00		101	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:50:20AM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2535120-BLK1)**

Prepared: 08/29/25 Analyzed: 08/29/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.36		8.00		104	70-130			

**LCS (2535120-BS2)**

Prepared: 08/29/25 Analyzed: 08/29/25

Gasoline Range Organics (C6-C10)	53.6	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.51		8.00		106	70-130			

**Matrix Spike (2535120-MS2)**

Source: E508321-01

Prepared: 08/29/25 Analyzed: 08/29/25

Gasoline Range Organics (C6-C10)	52.1	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.58		8.00		107	70-130			

**Matrix Spike Dup (2535120-MSD2)**

Source: E508321-01

Prepared: 08/29/25 Analyzed: 08/29/25

Gasoline Range Organics (C6-C10)	53.7	20.0	50.0	ND	107	70-130	3.05	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.32		8.00		104	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:50:20AM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2535126-BLK1)**

Prepared: 08/29/25 Analyzed: 08/29/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	45.1		50.0		90.1	61-141			

**LCS (2535126-BS1)**

Prepared: 08/29/25 Analyzed: 08/29/25

Diesel Range Organics (C10-C28)	224	25.0	250		89.4	66-144			
Surrogate: <i>n</i> -Nonane	45.1		50.0		90.2	61-141			

**Matrix Spike (2535126-MS1)**

Source: E508323-01

Prepared: 08/29/25 Analyzed: 08/29/25

Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.9	56-156			
Surrogate: <i>n</i> -Nonane	46.2		50.0		92.4	61-141			

**Matrix Spike Dup (2535126-MSD1)**

Source: E508323-01

Prepared: 08/29/25 Analyzed: 08/29/25

Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.5	56-156	0.441	20	
Surrogate: <i>n</i> -Nonane	45.4		50.0		90.8	61-141			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/5/2025 8:50:20AM
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#### Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2535121-BLK1)**

Prepared: 08/29/25 Analyzed: 08/29/25

Chloride ND 20.0

**LCS (2535121-BS1)**

Prepared: 08/29/25 Analyzed: 08/29/25

Chloride 251 20.0 250 101 90-110

**Matrix Spike (2535121-MS1)**

Source: E508323-01

Prepared: 08/29/25 Analyzed: 08/29/25

Chloride 452 20.0 250 188 106 80-120

**Matrix Spike Dup (2535121-MSD1)**

Source: E508323-01

Prepared: 08/29/25 Analyzed: 08/29/25

Chloride 440 20.0 250 188 101 80-120 2.56 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Devon Energy - Carlsbad	Project Name:	TOMCAT 21 FEDERAL #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Anna Byers	09/05/25 08:50

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client Information			Invoice Information			Lab Use Only				TAT				State			
Client: Devon Energy Production Company, LP			Company: Devon Energy Production Co.			Lab WOI#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: TOMCAT 21 FEDERAL #001			Address: 5315 Buena Vista Dr.			E508325		01058-0007						X			
Project Manager: Anna Byers			City, State, Zip: Carlsbad, NM, 88220														
Address: 13000 W County Rd 100			Phone: 575-885-7502														
City, State, Zip: Odessa, TX, 79765			Email: jim.raley@dvn.com														
Phone: 432-305-6415			Miscellaneous: WO: 1007085301; PN: 19304;														
Email: NMTXGeoGroup@etechenv.com			IN: nRM2003860041														

Sample Information							Analysis and Method							EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Depth	Lab Number	DRO/DRD by 8015	GRD/DRD by 8015	BTEX by 8021	VOC by 8290	Chloride 300.0	TCDD 2005 - TX	RCRA 8 Metals	MSDC - HM	MSDC - TX	SDWA	CWA	RCRA	
11:15	8/27/2025	S	1	SWD1	0-4'	1								X					
11:20	8/27/2025	S	1	SWD2	0-4'	2								X					
11:25	8/27/2025	S	1	SWD3	0-4'	3								X					
11:30	8/27/2025	S	1	SWD4	0-4'	4								X					
11:35	8/27/2025	S	1	SWD5	0-4'	5								X					

**Additional Instructions:**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Haligh Blume						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.					
Relinquished by: (Signature) <i>Haligh Blume</i>	Date 8-28-25	Time 1428	Received by: (Signature) <i>Michelle Gonzalez</i>	Date 8-28-25	Time 1428						
Relinquished by: (Signature) <i>Michelle Gonzalez</i>	Date 8-28-25	Time 1530	Received by: (Signature) <i>Marissa Gonzalez</i>	Date 8-28-25	Time 1530						
Relinquished by: (Signature) <i>Marissa Gonzalez</i>	Date 8-28-25	Time 1900	Received by: (Signature) <i>Andrew Musso</i>	Date 8-28-25	Time 1900						
Relinquished by: (Signature) <i>Andrew Musso</i>	Date 8-28-25	Time 2315	Received by: (Signature) <i>Noe Set</i>	Date 8-28-25	Time 0715						

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other  
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 8/29/2025 10:43:43AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Devon Energy - Carlsbad Date Received: 08/29/25 07:15 Work Order ID: E508325
Phone: (575) 748-0176 Date Logged In: 08/28/25 15:47 Logged In By: Caitlin Mars
Email: anna@etechnv.com Due Date: 09/05/25 07:00 (4 day TAT)

Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

- 7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

- 14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

- 20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Anna Byers



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Devon Energy - Carlsbad

Project Name: TOMCAT 21 FEDERAL #001

Work Order: E509131

Job Number: 01058-0007

Received: 9/12/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/19/25

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/19/25



Anna Byers  
333 W Sheridan Avenue  
Oklahoma City, OK 73102-5010

Project Name: TOMCAT 21 FEDERAL #001  
Workorder: E509131  
Date Received: 9/12/2025 10:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/12/2025 10:45:00AM, under the Project Name: TOMCAT 21 FEDERAL #001.

The analytical test results summarized in this report with the Project Name: TOMCAT 21 FEDERAL #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 09/19/25 11:59
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
STKP01	E509131-01A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
STKP02	E509131-02A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
STKP03	E509131-03A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.
STKP04	E509131-04A	Soil	09/11/25	09/12/25	Glass Jar, 2 oz.



### Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/19/2025 11:59:03AM
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**STKP01**  
**E509131-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2538007
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	09/15/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2538007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.6 %	70-130	09/15/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2538001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
<i>Surrogate: n-Nonane</i>						
		92.0 %	61-141	09/15/25	09/16/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2538008
Chloride	ND	20.0	1	09/15/25	09/15/25	



### Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/19/2025 11:59:03AM
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**STKP02**  
**E509131-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538007
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.6 %	70-130	09/15/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.9 %	70-130	09/15/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2538001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
<i>Surrogate: n-Nonane</i>		93.6 %	61-141	09/15/25	09/16/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2538008
Chloride	ND	20.0	1	09/15/25	09/15/25	



### Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/19/2025 11:59:03AM
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**STKP03**  
**E509131-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538007
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.3 %	70-130	09/15/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.6 %	70-130	09/15/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2538001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
<i>Surrogate: n-Nonane</i>		91.5 %	61-141	09/15/25	09/16/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2538008
Chloride	ND	20.0	1	09/15/25	09/15/25	



### Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/19/2025 11:59:03AM
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**STKP04**  
**E509131-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538007
Benzene	ND	0.0250	1	09/15/25	09/16/25	
Ethylbenzene	ND	0.0250	1	09/15/25	09/16/25	
Toluene	ND	0.0250	1	09/15/25	09/16/25	
o-Xylene	ND	0.0250	1	09/15/25	09/16/25	
p,m-Xylene	ND	0.0500	1	09/15/25	09/16/25	
Total Xylenes	ND	0.0250	1	09/15/25	09/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.4 %	70-130	09/15/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2538007
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/25	09/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.7 %	70-130	09/15/25	09/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2538001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/25	09/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/25	09/16/25	
<i>Surrogate: n-Nonane</i>		95.6 %	61-141	09/15/25	09/16/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2538008
Chloride	ND	20.0	1	09/15/25	09/15/25	



### QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/19/2025 11:59:03AM
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#### Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2538007-BLK1)**

Prepared: 09/15/25 Analyzed: 09/15/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.38		8.00		92.2	70-130			

**LCS (2538007-BS1)**

Prepared: 09/15/25 Analyzed: 09/15/25

Benzene	4.75	0.0250	5.00		95.1	70-130			
Ethylbenzene	5.13	0.0250	5.00		103	70-130			
Toluene	5.01	0.0250	5.00		100	70-130			
o-Xylene	5.13	0.0250	5.00		103	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.26		8.00		90.8	70-130			

**Matrix Spike (2538007-MS1)**

Source: E509130-01

Prepared: 09/15/25 Analyzed: 09/15/25

Benzene	5.13	0.0250	5.00	ND	103	70-130			
Ethylbenzene	5.55	0.0250	5.00	ND	111	70-130			
Toluene	5.43	0.0250	5.00	ND	109	70-130			
o-Xylene	5.53	0.0250	5.00	ND	111	70-130			
p,m-Xylene	11.2	0.0500	10.0	ND	112	70-130			
Total Xylenes	16.7	0.0250	15.0	ND	111	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			

**Matrix Spike Dup (2538007-MSD1)**

Source: E509130-01

Prepared: 09/15/25 Analyzed: 09/15/25

Benzene	4.70	0.0250	5.00	ND	93.9	70-130	8.92	27	
Ethylbenzene	5.05	0.0250	5.00	ND	101	70-130	9.44	26	
Toluene	4.94	0.0250	5.00	ND	98.9	70-130	9.32	20	
o-Xylene	5.08	0.0250	5.00	ND	102	70-130	8.53	25	
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130	9.17	23	
Total Xylenes	15.3	0.0250	15.0	ND	102	70-130	8.96	26	
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.1	70-130			



### QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/19/2025 11:59:03AM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2538007-BLK1)**

Prepared: 09/15/25 Analyzed: 09/15/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.2	70-130			

**LCS (2538007-BS2)**

Prepared: 09/15/25 Analyzed: 09/15/25

Gasoline Range Organics (C6-C10)	45.3	20.0	50.0		90.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.1	70-130			

**Matrix Spike (2538007-MS2)**

Source: E509130-01

Prepared: 09/15/25 Analyzed: 09/15/25

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0	ND	96.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.7	70-130			

**Matrix Spike Dup (2538007-MSD2)**

Source: E509130-01

Prepared: 09/15/25 Analyzed: 09/15/25

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.1	70-130	2.24	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		8.00		93.2	70-130			



### QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/19/2025 11:59:03AM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2538001-BLK1)**

Prepared: 09/15/25 Analyzed: 09/16/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.4		50.0		92.7	61-141			

**LCS (2538001-BS1)**

Prepared: 09/15/25 Analyzed: 09/16/25

Diesel Range Organics (C10-C28)	242	25.0	250		96.7	66-144			
Surrogate: n-Nonane	47.2		50.0		94.5	61-141			

**Matrix Spike (2538001-MS1)**

Source: E509130-01

Prepared: 09/15/25 Analyzed: 09/16/25

Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.1	56-156			
Surrogate: n-Nonane	46.8		50.0		93.7	61-141			

**Matrix Spike Dup (2538001-MSD1)**

Source: E509130-01

Prepared: 09/15/25 Analyzed: 09/16/25

Diesel Range Organics (C10-C28)	245	25.0	250	ND	98.0	56-156	1.06	20	
Surrogate: n-Nonane	47.2		50.0		94.5	61-141			



### QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 9/19/2025 11:59:03AM
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#### Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2538008-BLK1)**

Prepared: 09/15/25 Analyzed: 09/15/25

Chloride	ND	20.0							
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**LCS (2538008-BS1)**

Prepared: 09/15/25 Analyzed: 09/15/25

Chloride	258	20.0	250		103	90-110			
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**Matrix Spike (2538008-MS1)**

Source: E509130-02

Prepared: 09/15/25 Analyzed: 09/16/25

Chloride	463	200	250	201	105	80-120			
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**Matrix Spike Dup (2538008-MSD1)**

Source: E509130-02

Prepared: 09/15/25 Analyzed: 09/16/25

Chloride	449	200	250	201	99.3	80-120	3.16	20	
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QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



### Definitions and Notes

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: TOMCAT 21 FEDERAL #001 Project Number: 01058-0007 Project Manager: Anna Byers	<b>Reported:</b> 09/19/25 11:59
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





### Envirotech Analytical Laboratory

Printed: 9/15/2025 10:08:24AM

#### Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	09/12/25 10:45	Work Order ID:	E509131
Phone:	(575) 748-0176	Date Logged In:	09/12/25 11:52	Logged In By:	Caitlin Mars
Email:	anna@etechnv.com	Due Date:	09/19/25 17:00 (5 day TAT)		

#### Chain of Custody (COC)

- 1. Does the sample ID match the COC? Yes
- 2. Does the number of samples per sampling site location match the COC? Yes
- 3. Were samples dropped off by client or carrier? Yes
- 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
- 5. Were all samples received within holding time? Yes

Carrier: Courier

Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this discussion.

#### Comments/Resolution

#### Sample Turn Around Time (TAT)

- 6. Did the COC indicate standard TAT, or Expedited TAT? Yes

#### Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? Yes
- 10. Were custody/security seals present? No
- 11. If yes, were custody/security seals intact? NA
- 12. Was the sample received on ice? Yes

Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

#### Sample Container

- 14. Are aqueous VOC samples present? No
- 15. Are VOC samples collected in VOA Vials? NA
- 16. Is the head space less than 6-8 mm (pea sized or less)? NA
- 17. Was a trip blank (TB) included for VOC analyses? NA
- 18. Are non-VOC samples collected in the correct containers? Yes
- 19. Is the appropriate volume/weight or number of sample containers collected? Yes

#### Field Label

- 20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

#### Sample Preservation

- 21. Does the COC or field labels indicate the samples were preserved? No
- 22. Are sample(s) correctly preserved? NA
- 24. Is lab filtration required and/or requested for dissolved metals? No

#### Multiphase Sample Matrix

- 26. Does the sample have more than one phase, i.e., multiphase? No
- 27. If yes, does the COC specify which phase(s) is to be analyzed? NA

#### Subcontract Laboratory

- 28. Are samples required to get sent to a subcontract laboratory? No
- 29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

#### Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

# | Appendix G

P.O. Box 62228 Midland TX 79711 Tel: 432-563-2200 Fax: 432-563-2213

**Seed Mixture for LPC Sand/Shinnery Sites**

Holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)\* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed shall be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed shall be either certified or registered seed. The seed container shall be tagged in accordance with State law(s) and available for inspection by the Authorized Officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). Holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. Seeding shall be repeated until a satisfactory stand is established as determined by the Authorized Officer. Evaluation of growth may not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed\* per acre:

<u>Species</u>	<u>lb/acre</u>
Plains Bristlegrass	5lbs/A
Sand Bluestem	5lbs/A
Little Bluestem	3lbs/A
Big Bluestem	6lbs/A
Plains Coreopsis	2lbs/A
Sand Dropseed	1lbs/A

\*Pounds of pure live seed:

Pounds of seed x percent purity x percent germination = pounds pure live seed

# | Appendix H

P.O. Box 62228 Midland TX 79711 Tel: 432-563-2200 Fax: 432-563-2213

**HoldAll**<sup>®</sup>  
Decorative Plant Accessories

**40 TESTS**  
**DIRECTIONS INSIDE**

# SOIL TEST KIT



**Plants & Flowers**



**Grasses & Lawns**



**Fruits & Veggies**



**Trees & Shrubs**

**757860**

**HoldAll**  
Decorative Plant Accessories

757860

# SOIL TEST KIT

**Tests Your Soil for a Healthy Garden**

• pH • Nitrogen(N) • Phosphorus(P) • Potassium(K) •

## PREPARING YOUR SOIL SAMPLES

For lawns, annuals or house plants, take the soil sample from about 2-3" below the surface. For perennials especially shrubs, vegetables and fruit, the sample should be from 4" deep.

Avoid touching the soil with your hands. Test different areas of your soil, as it may differ according to past cultivation, underlying soil differences or a localized condition. It is preferable to make individual tests on several samples from different areas, than to mix the samples together.

Place your soil sample into a clean container. Break the sample up with the trowel or spoon and allow it to dry out naturally. This is not essential, however it makes working with the sample easier. Remove any small stones, organic material such as grass, weeds or roots and hard particles of lime. Then crumble the sample finely and mix it thoroughly.

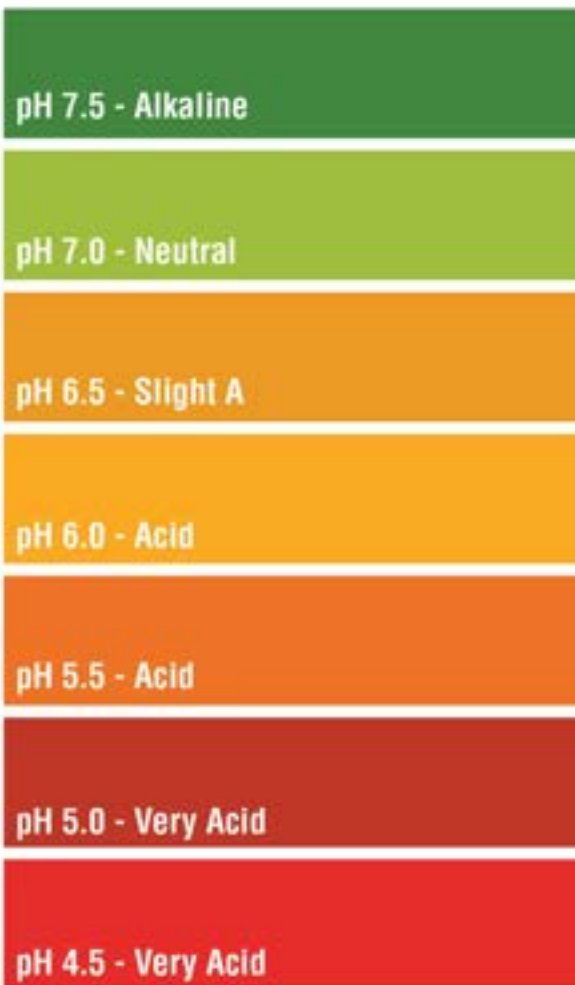
### HOW TO TEST YOUR SOIL:

Tube caps and capsules are color-coded for simplicity:

Green = pH                      Purple = Nitrogen  
 Blue = Phosphorus        Orange = Potash

#### pH TEST:

1. Remove cap from the green capped tube.
  2. Fill tube with soil to the first line.
  3. Carefully open a green capsule and pour powder into the tube.
  4. Add water (preferably distilled) to the fourth line.
  5. Cap tube and shake thoroughly.
  6. Allow soil to settle and color to develop for about a minute.
  7. Compare color of solution to the pH color chart.
- Repeat for remaining capsules.



#### NITROGEN, PHOSPHORUS & POTASH TESTS:

Fill a clean jar or can with 1 part soil and 5 parts water. Thoroughly shake or stir the soil and water together for at least one minute and then allow the mixture to stand undisturbed until it settles (30 minutes to 24 hours, dependent on soil). A fine clay soil will take much longer to settle out than a coarse sandy soil. The clarity of the solution will also vary, the clearer the better, however cloudiness will not affect the accuracy of the test.

PLANT FOOD CHART		
Nitrogen	Phosphorous	Potash
High	High	High
Medium	Medium	Medium
Low	Low	Low
Very Low	Very Low	Very Low

1. Remove the cap from the tube. (Please note that the color of the capsules should match the color of the tube cap.) Using dropper provided, fill the tube to the fourth line with liquid from your soil mixture. Avoid disturbing the sediment
2. Carefully separate the two halves of one of the capsules. Pour the powder into the tube.
3. Cap the tube and shake thoroughly. Allow color to develop for 10 minutes.
4. Compare color of solution to the appropriate portion of the plant food color chart. For best results allow daylight, not direct sunlight, to illuminate the solution. Note your results. Repeat for remaining capsules.

## TO RAISE OR LOWER pH OF YOUR SOIL

Raising and lowering pH is not an exact science & most plants have a reasonably wide tolerance, certainly to within 1 pH point. Consult the pH Preference List and you will see that the majority can manage well on a pH around 6.5 but some need an alkaline soil

and some a particularly acid soil. Altering pH takes time so do not expect rapid changes; rather, work steadily towards giving a plant its ideal conditions.

## ADJUSTING pH

pH can be adjusted to provide more suitable growing conditions for the different plants you wish to grow. Or, you can leave the pH of the soil as it is and select plants that like the level revealed by your test. Once you have your pH reading, check the pH Preference List for the pH levels of over 450 popular plants, trees, shrubs, vegetables and fruits. If your pH reading differs significantly from the list's recommended levels, follow instructions below for adjusting soil pH. You can correct pH at any time of the year but it

is best to start in the Fall and check progress in the Spring. After working to adjust your soil, retest for pH level in 40-60 days. If results are still significantly off, retreat your soil, not exceeding recommended application levels. Allow one month to pass between adding lime and adding fertilizers.

## SOIL TYPES

**Sandy Soils:** A light, coarse soil comprised of crumbling and alluvial debris.

**Loam Soils:** A medium friable soil, consisting of a blend of coarse (sand) alluvium and fine (clay) particles mixed within fairly broad limits with a little lime and humus.

**Clay Soils:** A heavy, clinging, impermeable

soil, comprised of very fine particles with little lime and humus and tending to be waterlogged in winter and very dry in summer.

## ADJUSTING SOIL pH - HOW MUCH TO APPLY

Material	pHChange	Sandy	Loamy	Clay
Dolomitic or Calcic Limestone	+0.5 unit (0.5 pH) +1.0 unit (1.0 pH)	2.5 5.0	2.5 5.0	2.5 5.0
Hydrated Lime	+0.5 unit (0.5 pH)	1.25 - 2.0	1.25 - 2.0	1.25 - 2.0
	+1.0 unit (1.0 pH)	3.5 - 4.0	3.5 - 4.0	3.5 - 4.0
Iron Sulfate	-0.5 unit (0.5 pH)	0.75	0.75	0.75
	-1.0 unit (1.0 pH)	1.5	1.5	1.5
Aluminium Sulfate	-0.5 unit (0.5 pH)	0.5 - 0.75	0.5 - 0.75	0.5 - 0.75
	-1.0 unit (1.0 pH)	1 - 1.25	1 - 1.25	1 - 1.25

Amounts listed are pounds per 100 square feet. Do not add more than 5lbs. of lime or sulfur in one application.

## FERTILIZER RECOMMENDATIONS

### FEEDING PRIOR TO PLANTING

Adequate reserves of plant food should be available in the soil before planting vegetables, preparing a seed or flower bed, sodding or seeding a lawn, or planting shrubs and trees. To make up any deficiencies, apply fertilizers from the following chart according to your soil test result.

TEST RESULTS	Very			
	Low	Low	Medium	High
<b>Nitrogen Fertilizers (%N)</b>				
Dried Blood (11%)	36	19	6	N/A
Nitrate of Soda (16%)	27	14	3	N/A
<b>Phosphate Fertilizers (%P)</b>				
Bone Meal (19%)	27	14	6	N/A
Triple Superphosphate (46%)	10.25	5.25-5.5	2.25	N/A
<b>Potash Fertilizers (%K)</b>				
Muriate of Potash (60%)	8.75-9	4.75-5	2.25-2.5	N/A

Amounts listed are ounces per 100 square feet. (Ounces referred to are by weight)

### FEEDING ESTABLISHED PLANTS AND BEDS

Based on your test results, apply the appropriate fertilizer(s) in the amounts recommended in the following chart.

### RECOMMENDATIONS FOR N, P AND K RESULTS

	Very Low			Low			Medium		
	N	P	K	N	P	K	N	P	K
Lawn	22.0-22.5	0.75-1.0	4.75-5.0	14.0-14.5	1.0-1.5	2.25-2.5	3.75-4.0	0	0
Fruit	14.0-14.5	6.5	13.5-14.0	7.75-8.0	4.0-4.25	8.75-9.0	3.75-4.0	2.25	4.75-5.0
Flower	14.0-14.25	6.5	13.5-14.0	7.75-8.0	4.0-4.25	8.75-9.0	3.75-4.0	2.25	4.75-5.0
Shrubs (flowering)	14.0-14.25	8.25-8.5	13.5-14.0	7.75-8.0	4.0-4.25	8.75-9.0	3.75-4.0	1.0-1.25	4.75-5.0
Shrubs (foliage)	22.0-22.5	10.5-10.75	8.75-9.0	14.0-14.5	5.25-5.5	4.75-5.0	3.75-4.0	2.25	2.25-2.5
Veggies (root)	14.0-14.25	12.0-12.25	8.75-9.0	14.0-14.5	5.25-5.5	4.75-5.0	3.75-4.0	3.0	2.25-2.5
Veggies (leafy)	28.25-29.0	10.25	8.75-9.0	14.0-14.5	5.25-5.5	4.75-5.0	7.75-8.0	2.25	2.25-2.5
Tree	14.0-14.5	10.25	8.75-9.0	7.75-8.0	5.25-5.5	4.75-5.0	3.75-4.0	2.25	2.25-2.5
General Feed	22.0-22.5	8.25-8.5	8.75-9.0	10.5-11.0	4.0-4.25	4.75-5.0	3.75-4.0	1.0-1.25	2.25-2.5

	High		
	N	P	K
Lawn	N/A	N/A	N/A
Fruit	N/A	N/A	N/A
Flower	N/A	N/A	N/A
Shrubs (flowering)	N/A	N/A	N/A
Shrubs (foliage)	N/A	N/A	N/A
Veggies (root)	N/A	N/A	N/A
Veggies (leafy)	N/A	N/A	N/A
Tree	N/A	N/A	N/A
General Feed	N/A	N/A	N/A

The recommendations are based on the following fertilizers sources: Nitrate of Soda (16% N), Triple Superphosphate (46% P<sub>2</sub>O<sub>5</sub>) and Muriate of Potassium (60% K<sub>2</sub>O). The amounts listed are in oz. /100 sq. ft. (Ounces referred to are by weight, not volume.) If you wish to use other fertilizer, simply check the package for the percentage of nutrients for N, P, & K and adjust the application level accordingly.

### SPECIAL RECOMMENDATIONS FOR LAWNS

For a new lawn, pay special attention to soil preparation before planting. Proper soil preparation for any size lawn will have a significant impact on the amount of water and care it demands in the future. Till the soil to a depth of at least 12" and incorporate plenty of organic material (9" or more). Test your soil for pH and adjust to the levels recommended on pH Preference List for your type of grass. Refer to the Adjusting Soil pH chart for recommended lime or sulfate applications.

For established lawns, Nitrogen is the most essential nutrient to promote lush growth and deep, green color. Phosphorus and Potassium, in lesser quantities, are also important for strong root formation and growth. Compound fertilizers will supply all 3 nutrients, or you can select an individual fertilizer, such as Nitrate of Soda. The following chart gives recommended application levels specifically for lawns, based on your Nitrogen soil test results.

### RECOMMENDATIONS FOR LAWNS

Fertilizer Type	Very Low	Low
	24-4-4	4.0 lbs.
24-3-4	3.1 lbs.	1.55 lbs.
30-4-4	3.0 lbs.	1.5 lbs.

Fertilizer Type	Medium	High
	24-4-4	1.0 lbs.
24-3-4	.77 lbs.	N/A
30-4-4	.75 lbs.	N/A

Amounts listed are pounds per 1000 square feet.

### SAFETY & HYGIENE

Dispose of test solutions by rinsing down the sink. Empty gelatin capsules should be disposed of immediately with household waste. Wash the test tubes and caps in warm, soapy water immediately after each use. Make sure any sediment or color staining is removed. Rinse well and dry. Each bag of capsules should be stored inside the blister. Fit the caps on each test tube. Place all components back into the package. The blister pack has been specially designed to be reused as a storage container.

Store your kit in clean, dry conditions, indoors. The powders are safe in normal domestic terms but like all chemicals and pharmaceuticals, they should be put away and kept out of reach of children. Try to avoid touching the powders. Always wash your hands thoroughly after making your tests. Do not eat, drink or smoke while using the soil test kit. Keep powders away from food, drink and animal feed. If taken internally, drink copious amounts of water and seek medical advice.

### CAUTIONS

Where a lot of fertilizer is needed to correct one plant food, divide the applications over several weeks. Do not add lime and fertilizer together; lime first. Allow at least one month to pass before applying fertilizer. Retest 30 days after applying fertilizer.



### Plant pH Preference List

NAME	pH	NAME	pH	NAME	pH	NAME	pH	NAME	pH
<b>FRUIT</b>		<b>VEGETABLES AND HERBS</b>		<b>HOUSE and GREENHOUSE PLANTS</b>		<b>FLOWERS, TREES AND SHRUBS</b>		<b>FLOWERS, TREES AND SHRUBS</b>	
APPLE	5.0-6.5	SAGE	5.5-6.5	GENISTA	6.5-7.5	ASPERULA	6.0-8.0	LAUREL	6.5-7.5
APRICOT	6.0-7.0	SHALLOT	5.5-7.0	GERANIUM	6.0-8.0	ASPHOCOOLINE	6.0-8.0	LAVENDER	6.5-7.5
AVOCADO	6.0-7.5	SORGHUM	5.5-7.5	GLOXINIA	5.5-6.5	ASTER	5.5-7.5	LIATRIS	5.5-7.5
BANANA	5.0-7.0	SOYBEAN	5.5-6.5	GRAPE IVY	5.0-6.5	AUBRITA	6.0-7.5	LIGUSTRUM	5.0-7.5
BLACKBERRY	5.0-6.0	SPEARMINT	5.5-7.5	GRAPE HYACINTH	6.0-7.5	AZALEA	4.5-6.0	LIAC	6.0-7.5
BLUEBERRY	4.0-6.0	SPINACH	6.0-7.5	GREVILLEA	5.5-6.5	BALLOON FLOWER	6.0-6.5	LILY OF THE VALLEY	4.5-6.0
CANTALOUPE	6.5-7.5	SWEDE	5.0-7.0	GYNURA	5.5-6.5	BAYBERRY	4.0-6.0	LITHOSPERMUM	5.0-6.5
CHERRY	6.0-7.5	THYME	5.5-7.0	HEDERA (IVY)	6.0-8.0	BERGENIA	6.0-7.5	LOBELIA	6.5-7.5
CRANBERRY	5.5-6.5	TOMATO	5.5-7.5	HELIOTROPIMUM	5.0-6.0	BLEEDING HEART	6.0-7.5	LUPINUS	5.5-7.0
CURRENT: Black	6.0-8.0	TURNIP	5.5-7.0	HENS AND CHICKENS	6.0-7.0	BLUEBELL	6.0-7.6	MAGNOLIA	5.0-6.0
Red	5.5-7.0	WATER CRESS	6.0-8.0	HERRINGBONE PLANT	6.0-6.0	BROOM	5.0-6.0	MAHONIA	6.0-7.0
White	6.0-8.0	<b>HOUSE and GREENHOUSE PLANTS</b>		HIBISCUS PLANT	6.0-8.0	BUCOLEIA	6.0-7.0	MARIGOLD	5.5-7.0
DAMSON	6.0-7.5	ABUTILON	5.5-6.5	HOYA	5.0-6.5	BUPHTHALUM	6.0-8.0	MOLINA	4.0-5.0
GOOSEBERRY	5.0-6.5	ACORUS	5.0-6.5	IMPATIENS	5.5-6.5	BUTTERFLY BUSH	4.0-6.0	MORAEA	5.5-6.5
GRAPEVINE	6.0-7.0	AECHMEA	5.0-5.5	IVY TREE	6.0-7.0	CALENDULA	5.5-7.0	MORNING GLORY	6.0-7.5
GRAPEFRUIT	6.0-7.5	AFRICAN VIOLET	6.0-7.0	JACARANDA	6.0-7.5	CAMASSIA	6.0-8.0	MOSS	6.0-8.0
HAZELNUT	6.0-7.0	AGLAONEMA	5.0-6.0	JAPANESE SEDGE	6.0-8.0	CANDYTUFF	6.0-7.5	MOSS, SPHAGNUM	3.5-5.0
HOP	6.0-7.5	AMARYLUS	5.5-6.5	JASMINUM	5.5-7.0	CANNA	6.0-8.0	MYOSOTIS	6.0-7.0
HUCKLEBERRY	4.0-6.0	ANTHURIUM	5.0-6.0	JERUSALEM CHERRY	5.5-6.5	CANTERBURY BELLS	7.0-7.5	NARCISSUS	6.0-8.5
LEMON	6.0-7.0	APHELANDRA	5.0-6.0	JESSAMONE	5.0-6.0	CARDINAL FLOWER	4.0-6.0	Nasturtium	5.5-7.5
LYCHEE	6.0-7.0	ARAUCARIA	5.0-6.0	KALANCHOE	8.0-7.5	CARNATION	6.0-7.5	NICOTIANA	5.5-6.5
MANGO	5.0-6.0	ASPARAGUS FERN	6.0-8.0	KANGAROO THORN	6.0-8.0	CATALPA	6.0-8.0	PACHYSANDRA	5.0-8.0
MELON	5.5-6.5	ASPIDISTRA	4.0-5.5	KANGAROO VINE	5.0-6.5	CELOSIA	6.0-7.0	PAEONIA	6.0-7.5
MULBERRY	6.0-7.5	AZALEA	4.5-6.0	LANTANA	5.5-7.0	CENTAUREA	5.0-6.5	PANSY	5.5-7.0
NECTARINE	6.0-7.5	BABY'S BREATH	6.0-7.5	LAURUS (BAY TREE)	5.0-6.0	CERASTIUM	6.0-7.0	PASSION FLOWER	6.0-8.0
PEACH	6.0-7.5	BABY'S TEARS	5.0-6.0	LEMON PLANT	6.0-7.5	CHRYSANTHEMUM	6.0-7.0	PASQUE FLOWER	5.0-6.0
PEAR	6.0-7.5	BEGONIA	5.5-7.0	MIMOSA	5.0-7.0	CIBISS	6.0-7.5	PAULOWNIA	6.0-8.0
PINEAPPLE	5.0-6.0	BIRD OF PARADISE	6.0-6.5	MIND YOUR OWN BUSINESS	5.0-5.5	CISTUS	6.0-7.5	PENSTEMON	5.5-7.0
PLUM	6.0-7.5	BISHOP'S CAP	5.0-6.0	MONSTERA	6.0-8.0	CLARKIA	6.0-6.5	PERIWINKLE	6.0-7.5
POMEGRANATE	5.5-6.5	BLACK-EYED SUSAN	5.5-7.5	MYRTLE	6.0-8.0	CLIANTHUS	6.0-7.5	PETUNIA	6.0-7.5
QUINCE	6.0-7.5	BLOOD LEAF	5.5-6.5	NEVER NEVER PLANT	5.0-6.0	CLEMATIS	5.5-7.0	PINKS	6.0-7.5
RASPBERRY	5.0-7.5	BOTTLEBRUSH	6.0-7.5	NICODEMIA (INDOOR OAK)	6.0-8.0	COLCHICUM	5.5-6.5	POLYGONUM	6.0-7.5
RHUBARB	5.5-7.0	BOUGAINVILLEA	5.5-7.5	NORFOLK ISLAND PINE	5.0-6.0	COLUMBINE	6.0-7.0	POLYANTHUS	6.0-7.5
STRAWBERRY	5.0-7.5	BOXWOOD	6.0-7.5	OLEANDER	6.0-7.5	CONVOLVULUS	6.0-8.0	POPPY	6.0-7.5
WATERMELON	5.5-6.5	BROMELIADS	5.0-7.5	ORCHID	4.5-5.5	COREOPSIS	5.0-6.0	PORTULACA	5.5-7.5
<b>VEGETABLES AND HERBS</b>		BUTTERFLY FLOWER	6.0-7.5	OXALIS	6.0-8.0	CORONILLA	6.5-7.5	PRIMROSE	5.5-6.5
ARTICHOKE	6.5-7.5	CACTI	4.5-6.0	PALMS	6.0-7.5	CORYDALIS	6.0-8.0	PRIMULA	6.0-7.5
ASPARAGUS	6.0-8.0	CALCAGLARIA	6.0-7.0	PANDANUS	5.0-6.0	COSMOS	5.0-8.0	PRIVET	5.0-7.5
BASIL	5.5-6.5	CALADIM	5.0-6.0	PEACOCK PLANT	5.0-6.0	COTTONEASTER	6.0-8.0	PRUNELLA	6.0-7.5
BEAN	6.0-7.5	CALLA LILY	6.0-7.0	PELLICIONIA	5.0-6.0	CRAB APPLE	6.0-7.5	PRUNUS	6.5-7.5
(Runner, Broad, French)		CAMELIA	4.5-5.5	PEPEROMIA	5.0-6.0	CROCUS	6.0-8.0	PYRETHRUM	6.0-7.5
BEETROOT	6.0-7.5	CAMPANULA	5.5-6.5	PHILODENDRON	5.0-6.0	CYNOGLOSSUM	6.0-7.5	RED HOT POKER	6.0-7.5
BROCCOLI	6.0-7.0	CAPSICUM	5.0-6.5	PILEA	6.0-8.0	DAFFODIL	6.0-6.5	RHODOCENDREN	4.5-6.0
BRUSSELS SPROUTS	6.0-7.5	CARDINAL FLOWER	5.0-6.0	PLUMBAGO	5.5-6.5	DAY LILY	6.0-8.0	ROSES:	
CABBAGE	6.0-7.5	CASTOR OIL PLANT	5.5-6.5	PODACARPUS	5.0-6.5	DELPHINIUM	6.0-7.5	HYBRID TEA	5.5-7.0
CALABRESE	6.5-7.5	CANTURY PLANT	5.0-6.5	POINTSETTIA	6.0-7.5	DEUTZIA	6.0-7.5	CLIMBING	6.0-7.0
CARROT	5.5-7.0	CHINESE EVERGREEN	5.0-6.0	POLYSCIAS	6.0-7.5	DIANTHUS	6.0-7.5	RAMBLING	5.5-7.0
CAULIFLOWER	5.5-7.5	CHINESE PRIMROSE	6.0-7.5	POTHOS	5.0-6.0	DOGWOOD	5.0-7.0	SALVIA	6.0-7.5
CELERY	6.0-7.0	CHRISTMAS CACTUS	5.0-6.5	PRAYER PLANT	5.0-6.0	EDELWEISS	6.5-7.5	SCABIOSA	5.0-7.5
CHICORY	5.0-6.5	CINERARIA	5.5-7.0	PUNICA	5.5-6.5	ELAEAGNUS	5.0-7.5	SEDUM	6.0-7.5
CHINESE CABBAGE	6.0-7.5	CLERODENDRUM	5.0-6.0	SANSERIERIA	4.5-7.0	ENKIANTHUS	5.0-6.0	SNAPDRAGON	5.5-7.0
CHIVES	6.0-7.0	CLIVIA	5.5-6.5	SAXIFRAGA	6.0-8.0	ERICA	4.5-6.0	SNOWDROP	6.0-8.0
CORN - SWEET	5.5-7.0	COCKSCOMB	6.0-7.0	SCINDAPSUS	5.0-6.0	EUPHORBIA	6.0-7.0	SOAPWORT	6.0-7.5
CRESS	6.0-7.0	COFFEE PLANT	5.0-6.0	SHRIMP PLANT	6.0-7.0	EVERLASTINGS	5.0-6.0	SPEEDWELL	5.5-6.5
COURGETTES	5.5-7.0	COLEUS	6.0-7.5	SPANISH BAYONET	6.0-7.5	FIRETHORN	6.0-8.0	SPRAEA	6.0-7.5
CUCUMBER	5.5-7.5	COLUMNEA	4.5-5.5	SPIDER PLANT	6.0-7.5	FORGET-ME-NOTS	6.0-7.0	SPRUCE	4.0-5.0
FENNEL	5.0-6.0	CORAL BERRY	5.5-7.5	SUCCULENTS	5.0-6.5	FORSYTHIA	6.0-8.0	STOCK	6.0-7.5
GARLIC	5.5-7.5	CRASSULA	5.0-6.0	SYNOGONUM	5.0-6.0	FOXGLOVE	6.0-7.5	STONECROP	6.5-7.5
GINGER	6.0-8.0	CREEPING FIG	5.0-6.0	TOLMIEA	5.0-6.0	FRITILLARIA	6.0-7.5	SUMACK	5.0-6.5
HORSERADISH	6.0-7.0	CROTON	5.0-6.0	TRADESCANTIA	5.0-6.0	FUCHSIA	5.5-7.5	SUNFLOWER	5.0-7.0
KALE	6.0-7.5	CROWN OF THORNS	6.0-7.5	UMBRELLA TREE	5.0-7.5	GALLARDA	6.0-7.5	SWEET PEA	6.0-7.5
KOHLRABI	6.0-7.5	CUPHEA	6.0-7.5	VENUS FLYTRAP	4.0-5.0	GAZANIA	5.5-7.0	SWEET WILLIAM	6.0-7.5
LEEK	6.0-8.0	CYCLAMEN	6.0-7.0	WEeping FIG	5.0-6.0	GENTIANA	5.0-7.5	TAMARIX	6.5-8.0
LENTIL	5.5-7.0	CYPERUS	5.0-7.5	YUCCA	6.0-7.5	GEUM	6.0-7.5	TRILLIUM	5.0-6.5
LETTUCE	6.0-7.0	DIPLADENIA	6.0-7.5	ZEBRINA	5.0-6.0	GLADIOLI	6.0-7.0	TULIP	6.0-7.0
MARJORAM	6.0-8.0	DIZGOTHECA	6.0-7.5	<b>FLOWERS, TREES AND SHRUBS</b>		GLOBULARIA	5.5-7.0	VIBERNUM	5.0-7.5
MARROW	6.0-7.5	DRACAENA	5.0-6.0	ABELIA	6.0-8.0	GOETIA	6.0-7.5	VIOLA	5.5-6.5
MILLET	6.0-6.5	EASTER LILY	6.0-7.0	ACACIA	6.0-8.0	GOLDEN ROD	5.0-7.0	VIRGINIA CREEPER	5.0-7.5
MINT	7.0-8.0	ELEPHANT'S EAR	5.0-6.0	ACANTHUS	6.0-7.0	GYPHOSPHILIA	6.0-7.5	WALLFLOWER	5.5-7.5
MUSHROOM	6.5-7.5	EPISCIA	6.0-7.0	ACONITUM	5.0-6.0	HAWTHORN	6.0-7.0	WATER LILY	5.5-6.5
MUSTARD	6.0-7.5	EUXONYMOUS	6.0-8.0	ADONIS	6.0-8.0	HEATHER	4.0-6.0	WEIGELIA	6.0-7.5
OLIVE	5.5-6.5	<b>FERNS:</b>		AGERATUM	6.0-7.5	HELIANTHUS	5.0-7.0	WISTARIA	6.0-8.0
ONION	6.0-7.0	BIRD'S NEST	5.0-5.5	ALANTHUS	6.0-7.5	HELLEBORUS	6.0-7.5	ZINNA	5.5-7.5
PAPRIKA	7.0-8.5	BOSTON	5.5-6.5	AJUGA	4.0-6.0	HOLLY	5.0-6.5	<b>TURF AND ORNAMENTAL GRASSES</b>	
PARSLEY	5.0-7.0	BUTTON	6.0-8.0	ALTHEA	6.0-7.5	HOLLYHOCK	6.0-7.5	BAHAI	6.5-7.5
PARSNIP	5.5-7.5	CHRISTMAS	6.0-7.5	ALYSSUM	6.0-7.5	HONEYSUCKLE	6.0-7.5	BENT	5.5-6.5
PEA	6.0-7.5	CLOAK	6.0-7.5	AMARANTHUS	6.0-6.5	HYACINTH	6.5-7.5	BERMUDA	6.0-7.0
PEANUT	5.0-6.5	FEATHER	5.5-6.5	ANCHUSA	6.0-7.5	HYDRANGEA (Blue)	4.0-5.0	CANADA BLUE	4.5-6.4
PECAN	4.0-6.0	HART'S TONGUE	7.0-8.0	ANDROSACE	5.0-6.0	HYDRANGEA (Pink)	6.0-7.0	CLOVER	6.0-7.0
PEPPER	5.5-7.0	HOLLY	4.5-6.0	ANEMONE	6.0-7.5	HYPERICUM (White)	5.5-8.0	KENTUCKY BLUE	6.0-7.5
PEPPERMINT	6.0-7.5	MAIDENHAIR	6.0-8.0	ANTHYLLUS	5.0-6.0	IRIS	5.0-6.5	MEADOW	6.0-7.5
PISTACHIO	5.0-6.0	RABBITS FOOT	6.0-7.5	ARBITUS	4.0-6.0	IVY	5.0-6.5	PAMPAS	6.0-8.0
POTATO	4.5-6.0	SPLEENWORT	6.0-7.5	ARENARIA	6.0-8.0	JUNPER	5.0-6.5	RED TOP	6.0-6.5
POTATO - SWEET	5.5-6.0	FIG	5.0-6.0	ARISTEA	6.0-7.5	KALMA	4.5-5.0	RYE	6.0-7.0
PUMPKIN	5.5-7.5	FITTONIA	5.5-6.5	ARMERIA	6.0-7.5	KERRIA	6.0-7.0	ST. AUGUSTINE	6.5-7.5
RADISH	6.0-7.0	FREESIA	6.0-7.5	ARNICA	5.0-6.5	LABURNUM	6.0-7.0	TALL FESCUE	6.0-7.0
RICE	5.0-6.5	GARDENIA	6.0-7.5					VELVET BENT	5.0-6.0
ROSEMARY	5.0-6.0							ZOYSIA	6.0-7.0

## Soil Test Kit Questions and Answers

**Question: I tested my soil, the pH test worked, but the rest of the results are clear. What's wrong?**

1. An error has been made in the testing process.
2. Nutrient levels are too low for the test to indicate.
3. The capsules have absorbed too much moisture prior to being used. The reaction has already occurred within the capsule itself.

**Question: My pH test result came out dark blue, there is no blue on the pH color chart.**

1. The water being used to perform the test is alkaline. Recommend distilled water for the testing process.
2. The soil pH is higher than 7.5. The color results change from greens to blues to purples as the pH rises.

**Question: I got results on all but the Nitrogen portion of the kit.**

1. Nitrogen leaches out of the soil very quickly, especially in sandy soil.
2. The form of Nitrogen the kit tests for is Nitrate, the form used by plants. Nitrate is formed through the natural Nitrogen cycle within the soil. It is possible to have Nitrogen present in the soil in a non-testable form.

**Question: I tested fertilizer with the kit and still got no reaction!**

The kit detects only the form of the nutrient used by the plant. These nutrients must break down to the form tested for, through the natural bacterial action and decay processes in the soil. In most cases fertilizers will not test correctly.

**Question: I fertilized my soil as recommended in your instructions and then re-tested. My readings didn't change.**

Because the nutrients need to break down, we recommend two to four weeks between fertilizing and re-testing.

**Question: My soil will not settle to the bottom in the soil/water solution I've mixed.**

Although the directions read the soil and water should settle for at least 10 minutes before proceeding, there is no harm in letting the soil settle much longer. Suggest the consumer mix the soil and water the evening or even the day before testing. Some very fine clay soil will not settle. For these few homeowners, the kit will not work.

**Question: The testing capsule didn't dissolve.**

The capsules must be opened and the testing powder poured into the test tube. There isn't enough water present to dissolve the capsule.

**Question: The color result I got doesn't match any on the color chart.**

1. If the result is the same "color" but a different "shade" it's a matter of a judgment decision between the different nutrient levels.
2. The consumer may have inadvertently used the wrong capsule for the test in question.

In most cases we offer to send the consumer additional reagent capsules for re-testing. If an error was made in the first testing process, it's generally corrected the second time through.

**HoldAll®**  
Decorative Plant Accessories

**40 TESTS**  
**DIRECTIONS INSIDE**

# SOIL TEST KIT

Tests Your Soil for a Healthy Garden

• pH • Nitrogen(N) • Phosphorus(P) • Potassium(K) •

**WHY TEST YOUR SOIL?**

Plants need food (nutrients) for healthy growth. Nitrogen, Phosphorus and Potash (N, P and K for short), play a vital role in plant growth just as vitamins, minerals, carbohydrates and protein do in our health.

**HOW TO TEST YOUR SOIL**

For the new and experienced soil testers alike, you will appreciate this easy, fast and fun way to achieve better growing results from your gardening efforts!

Everything is color-coded, including the tubes and capsules. All you do is take a sample of soil, mix with water, add powder from capsule, shake and watch the color develop. Then, note your test results. Fast, easy and it only takes a few minutes!

**WHEN TO TEST YOUR SOIL**

Soil should be tested periodically throughout the growing season, but it is especially recommended to test before planting in Spring and when preparing beds in Fall. And, if you feel your plants are not growing well, a soil test may help.

**Included in the kit are:**

40 test capsules, 10 each for pH, N, P and K, Four (4) Color-coded Test Tubes, Test Tube Storage Dock, complete Instructions for adjusting soil pH, fertilization guidelines and pH preference list for over 450 plants for the home, yard and garden.

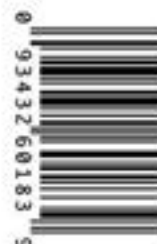
**Soil Test Kit Components**

Complete instruction booklet inside.



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www.PanaceaProducts.com  
Assembled in USA from  
Foreign and Domestic parts



**757860**

# | Appendix I

P.O. Box 62228 Midland TX 79711 Tel: 432-563-2200 Fax: 432-563-2213

## Erick Herrera

---

**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Sent:** Monday, June 9, 2025 10:01 AM  
**To:** Erick Herrera  
**Cc:** Raley, Jim; NM TX Geo Group; Bratcher, Michael, EMNRD  
**Subject:** RE: [EXTERNAL] Devon Energy Extension Request - Tomcat 21 Federal 1 Incident Number (nRM2003860041)

Good morning Erick,

As the extension has been requested after the due date, the extension is denied. The remediation closure report was due to the OCD by 6/2/25. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file. Devon should continue remediation and submit a report as soon as possible.

Sincerely,

Shelly

Shelly Wells \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive|Santa Fe, NM 87505  
(505)469-7520 [Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Erick Herrera <erick@etechenv.com>  
**Sent:** Monday, June 9, 2025 8:52 AM  
**To:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; ocdonline, emnrd, EMNRD <emnrd.ocdonline@emnrd.nm.gov>  
**Cc:** Raley, Jim <jim.ralej@dnv.com>; NM TX Geo Group <NMTXGeoGroup@etechenv.com>  
**Subject:** [EXTERNAL] Devon Energy Extension Request - Tomcat 21 Federal 1 Incident Number (nRM2003860041)

**CAUTION:** This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good morning Shelly,

Etech on behalf Devon Energy Production Co.,LP (Devon), respectfully asks for a 90-day extension request associated with Incident Number (nRM2003860041) currently due on June 2<sup>nd</sup>, 2025, which was inadvertently missed. The release is currently on a facility owned by Harvard Oil. To provide additional time to continue coordination with Harvard for scheduling operations to assist with accessing the release amidst active utilities, Etech is requesting a 90-day extension from the original due date of June 2<sup>nd</sup>, 2025, which would set the new deadline to September 1<sup>st</sup>, 2025. We sincerely apologize for the oversight on our part and appreciate your understanding and assistance in granting this extension.

Thanks,



**Erick Herrera**  
Lead Project Geologist/GIS Manager  
**Etech Environmental & Safety Solutions, Inc.**  
W: (432) 305-6416  
C: (281) 777-4152

## Erick Herrera

---

**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Sent:** Monday, February 24, 2025 8:21 AM  
**To:** Erick Herrera  
**Cc:** Raley, Jim; NM TX Geo Group  
**Subject:** RE: [EXTERNAL] Tomcat 21 Federal 1-Delineation Plan Incident Number nRM2003860041

Hi Erick,

The five proposed sampling locations are approved. Samples should be collected at surface, 1', 2', 3' and 4' however. The other conditions of approval should be addressed in the final submitted remediation closure report that you submit to the OCD.

Kind regards,

Shelly

**Shelly Wells** \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive|Santa Fe, NM 87505  
(505)469-7520 [Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Erick Herrera <erick@etechenv.com>  
**Sent:** Wednesday, February 19, 2025 12:14 PM  
**To:** ocdonline, emnrd, EMNRD <emnrd.ocdonline@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Cc:** Raley, Jim <jim.ralej@dvn.com>; NM TX Geo Group <NMTXGeoGroup@etechenv.com>  
**Subject:** [EXTERNAL] Tomcat 21 Federal 1-Delineation Plan Incident Number nRM2003860041

**CAUTION:** This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon,

On behalf of Devon Energy Production Co. LP, (Devon), please find the Delineation Sampling Plan (DSP) for the Tomcat 21 Federal 1 Incident Number (nRM2003860041) for your review. This document also addresses the conditions outlined in the recent Site Characterization Remediation Plan (SCRP) approval.

Please let me now if you have any questions or require any additional information.

Thanks,



**Erick Herrera**  
Project Geologist  
**Etech Environmental & Safety Solutions, Inc.**  
W: (432) 305-6416  
C: (281) 777-4152

**Erick Herrera**

---

**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Sent:** Tuesday, October 1, 2024 3:21 PM  
**To:** Erick Herrera  
**Cc:** Raley, Jim; Devon-Team; Bratcher, Michael, EMNRD  
**Subject:** RE: [EXTERNAL] Devon Characterization Variance Request - Tomcat 21 Federal 1 (nRM2003860041)

Hi Erick,

Your request to remediate to Table 1 depth to groundwater standards of 51 feet-100 feet is approved. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Kind regards,

Shelly

[Shelly Wells](#) \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive|Santa Fe, NM 87505  
(505)469-7520|[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Erick Herrera <[erick@etechnv.com](mailto:erick@etechnv.com)>  
**Sent:** Tuesday, October 1, 2024 1:26 PM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Cc:** Raley, Jim <[jim.ralej@dvn.com](mailto:jim.ralej@dvn.com)>; Devon-Team <[Devon-Team@etechnv.com](mailto:Devon-Team@etechnv.com)>  
**Subject:** [EXTERNAL] Devon Characterization Variance Request - Tomcat 21 Federal 1 (nRM2003860041)

**CAUTION:** This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon,

Attached, you will find a Characterization Variance Request for the Tomcat 21 Federal 1 (Site) for Incident Number (nRM2003860041) for your review. This request proposes to use a Table I depth to ground water (DTW) range of 51-100 feet below ground surface (bgs), based on recent OSE POD and USGS data in the vicinity of the Site.

Please let me know if you have any questions or require any additional information.

Thanks,

**Erick Herrera**  
Project Geologist



Work: (432) 305-6416  
Cell: (281) 777-4152

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

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 434536

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 434536
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nRM2003860041
Incident Name	NRM2003860041 TOMCAT 21 FEDERAL 1 @ 30-025-33356
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-025-33356] TOMCAT 21 FEDERAL #001

<b>Location of Release Source</b>	
Site Name	TOMCAT 21 FEDERAL 1
Date Release Discovered	01/24/2020
Surface Owner	Federal

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	1,310
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/27/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Orla Rd and NM-128, head west on NM-128 for approx. 3.76 mi; turn right on Lease Rd for approx 3.74mi; left for approx. 0.70 mi; right for approx. 0.70 mi. to reach well pad located at (32.2919, -103.6821)

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**Santa Fe, NM 87505**

CONDITIONS

Action 434536

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 434536
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/24/2025

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Oil Conservation Division  
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Santa Fe, NM 87505**

QUESTIONS

Action 498459

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 498459
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nRM2003860041
Incident Name	NRM2003860041 TOMCAT 21 FEDERAL 1 @ 30-025-33356
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-025-33356] TOMCAT 21 FEDERAL #001

<b>Location of Release Source</b>	
Site Name	TOMCAT 21 FEDERAL 1
Date Release Discovered	01/24/2020
Surface Owner	Federal

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	1,267
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/27/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Erick Herrera at 432-305-6416 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Orla Rd and NM-128, head west on NM-128 for approx. 3.76 mi; turn right on Lease Rd for approx 3.74 mi; left for approx. 0.70 mi; right for approx. 0.70 mi. to reach well pad located at (32.2919, -103.6821)

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**Oil Conservation Division**  
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**Santa Fe, NM 87505**

CONDITIONS

Action 498459

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 498459
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	8/22/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	8/22/2025

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

QUESTIONS

Action 560873

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 560873
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nRM2003860041
Incident Name	NRM2003860041 TOMCAT 21 FEDERAL 1 @ 30-025-33356
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Well	[30-025-33356] TOMCAT 21 FEDERAL #001

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	TOMCAT 21 FEDERAL 1
Date Release Discovered	01/24/2020
Surface Owner	Federal

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

<b>Nature and Volume of Release</b>	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion   Flow Line - Production   Produced Water   Released: 48 BBL   Recovered: 40 BBL   Lost: 8 BBL.
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)	Not answered.

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Energy, Minerals and Natural Resources  
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QUESTIONS, Page 2

Action 560873

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 560873
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.</b>

*With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.*

**Initial Response**

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 03/09/2026
--	--

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Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

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QUESTIONS, Page 3

Action 560873

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 560873
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

**Site Characterization**  
*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.*

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	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	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

**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
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	4440
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	29
GRO+DRO (EPA SW-846 Method 8015M)	29
BTEX (EPA SW-846 Method 8021B or 8260B)	0
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	08/27/2025
On what date will (or did) the final sampling or liner inspection occur	08/27/2025
On what date will (or was) the remediation complete(d)	08/27/2025
What is the estimated surface area (in square feet) that will be reclaimed	2176
What is the estimated volume (in cubic yards) that will be reclaimed	323
What is the estimated surface area (in square feet) that will be remediated	2176
What is the estimated volume (in cubic yards) that will be remediated	323

*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.*

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

General Information  
Phone: (505) 629-6116

Online Phone Directory  
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**Oil Conservation Division**  
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QUESTIONS, Page 4

Action 560873

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 560873
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**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 <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	No
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 03/09/2026
--	--

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.

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

General Information  
Phone: (505) 629-6116

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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QUESTIONS, Page 5

Action 560873

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 560873
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

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

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Phone: (505) 476-3441

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Phone: (505) 629-6116

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QUESTIONS, Page 6

Action 560873

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 560873
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>498459</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>08/27/2025</b>
What was the (estimated) number of samples that were to be gathered	<b>20</b>
What was the sampling surface area in square feet	<b>1267</b>

<b>Remediation Closure Request</b>	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2176
What was the total volume (cubic yards) remediated	323
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	2176
What was the total volume (in cubic yards) reclaimed	323
Summarize any additional remediation activities not included by answers (above)	Remediation Complete

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 03/09/2026
--	--

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QUESTIONS, Page 7

Action 560873

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 560873
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

**Reclamation Report**

*Only answer the questions in this group if all reclamation steps have been completed.*

Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	2176
What was the total volume of replacement material (in cubic yards) for this site	323

*Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.*

Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	04/01/2026

Summarize any additional reclamation activities not included by answers (above)	Reclamation Complete
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*The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.*

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 03/09/2026
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Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 8

Action 560873

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 560873
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Revegetation Report</b>	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 560873

**CONDITIONS**

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

**CONDITIONS**

Created By	Condition	Condition Date
scwells	None	4/9/2026