

# CLOSURE AND RECLAMATION REQUEST REPORT

Prepared For:

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

Site Information:

Tomcat 8 Federal #001
Incident Number nKL1622549584

Unit P, Section 08, Township 23 South, Range 32 East

Lea County, New Mexico

(32.3143768°, -103.690033°)

Carlsbad ● Houston ● Midland ● San Antonio ● Lubbock ● Hobbs ● Lafayette

### **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 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 8 Federal #001 (Site) (**Figure 1** in **Appendix A**). The SCRP was received on June 6, 2025, and was subsequently approved on June 9, 2025, and was assigned application ID number (471572).

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 nKL1622549584.

### SITE CHARACTERIZATION AND CLOSURE CRITERIA

As previously described in the approved SCRP, the Site was characterized according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) considering depth to ground water 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 fresh water 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.

All potential receptors are not 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 boring well records are included in **Appendix B**.

Based on the SCRP previously approved by the NMOCD, the following Site Closure Criteria was applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria*
Chloride	Environmental Protection Agency (EPA) 300.0	10,000 milligram 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 (DRO)	EPA 8015 M/D	1,000 mg/kg
Benzene	EPA 8021B/8260B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8260B/8260B	50 mg/kg

<sup>&</sup>lt;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.

#### **EXCAVATION SOIL SAMPLING ACTIVITIES**

Closure and Reclamation Request Report Tomcat 8 Federal #001 Incident Number nKL1622549584 On July 18, 2025, Etech oversaw the excavation of identified impacts via mechanical equipment based on detailed corrective actions in the approved SCRP and field screening results for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Following the removal of impacted soil, Etech collected 5-point composite confirmation soil samples from the excavation at a sampling frequency of 200 square feet (sqft) from the floors (FS01 through FS03) and sidewalls (SW01 through SW04). The 5-point composite confirmation soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. The samples were then placed on ice and transported under strict chain-of-custody procedures to Envirotech, Inc. (Envirotech) in Farmington, New Mexico for analysis of the COCs.

Upon review of laboratory analytical results, Etech concluded that additional excavation was warranted. On August 14, 2025, Etech oversaw continued excavation activities via mechanical equipment to remove identified residual soil impacts within proximity of sidewalls SW02 and SW04. Following the removal of impacted soil, Etech collected 5-point composite sidewall soil samples at a sampling frequency of 200 square feet from the excavation sidewalls. The soil samples were collected, handled, and analyzed as previously described.

Approximately 41 cubic yards (CY) of impacted soil were excavated, removed from the Site, and transported to a waste management facility under Devon approved manifests. The excavation extent and location of confirmation excavation soil samples are shown in **Figure 2** in **Appendix A**. Photographic documentation of excavation activities is included in **Appendix C**.

### FINAL CONFIRMATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated that concentrations of COCs for all final confirmation soil samples were below the applicable Site Closure Criteria and/or reclamation standard. Laboratory analytical results are summarized in **Table 1** included in **Appendix D**. The executed chain-of-custody forms and laboratory analytical results are provided in **Appendix E**.

### **RECLAMATION**

On August 29, 2025, the excavation, which totaled approximately 271 sqft, was backfilled with 41 CY of clean, locally sourced soil and the Site was restored to "as close to its original state" as possible. The final soil cover was contoured to match the Site's pre-existing grade to prevent ponding of water and erosion. The Site will be reseed with BLM Seed Mix #2 (LPC Sand/Shinnery Sites) which will be hand-broadcasted over the entire disturbed area in the next favorable season following BLM guidelines (**Appendix F**). The selected seed blend will provide the maximum results of vegetation regrowth and ground surface coverage to match pre-existing conditions at the Site. Site inspections will be performed annually to assess the revegetation progress and evaluate the Site for the presence or absence of primary and/or secondary noxious weeds. Upon confirmation that the percentage of vegetation cover and the life-form ratio fulfill the NMOCD definition of "revegetation", a Revegetation Report will be prepared and submitted to the NMOCD requesting approval of the Site restoration. If no growth is shown within a year of the next favorable growing season, the Site will be reseeded accordingly. If noxious weeds are identified, Devon will address them accordingly.

Concurrently with backfilling activities, Etech assessed the backfill material for its capacity to host vegetative growth. Two 5-point composite soil samples were collected from the backfill stockpile to use as soil cover material for the excavation areas (STKP01 through STKP02). The soil samples were field screened for VOCs and chloride, as previously described, and 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 G**. 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 D**. The location of the reclaimed area is

Closure and Reclamation Request Report Tomcat 8 Federal #001 Incident Number nKL1622549584 shown in **Figure 3** in **Appendix A**. Photographic documentation of restoration activities is included in **Appendix C**.

### **CLOSURE REQUEST**

Based on laboratory analytical results, Devon believes that residual soil impacts associated with the inadvertent release have been excavated and removed from Site and the remediation area subsequently reclaimed "as close to its original state" as possible. Concentrations of COCs for all confirmation 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 nK1622549584 should be respectfully considered for Closure by the NMOCD.

If you have any questions or comments, please do not hesitate to contact Erick Hererra at (432) 305-6416 or <a href="mailto:erick@etechenv.com">erick@etechenv.com</a> or Joseph S. Hernandez at (432) 305-6413 or <a href="mailto:joseph@etechenv.com">joseph@etechenv.com</a>. **Appendix H** provides correspondence and email notification receipts associated with the subject release.

Sincerely,

Etech Environmental and Safety Solutions, Inc.

Erick Hererra Project Geologist

Ericl #

Joseph S. Hernandez Senior Managing Geologist

Joyn SHd

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: Excavation Soil Sampling Locations

Figure 3: Future Revegetation Areas

Appendix B: Referenced Well Records

Appendix C: Photographic Log

Appendix D: Tables

Appendix E: Laboratory Analytical Reports & Chain-of-Custody Documentation

**Appendix F**: BLM Seed Mixture 2 (LPC Sand/Shinnery Sites)

Appendix G: HoldAll® Operating Manual

**Appendix H**: Correspondence & Notifications

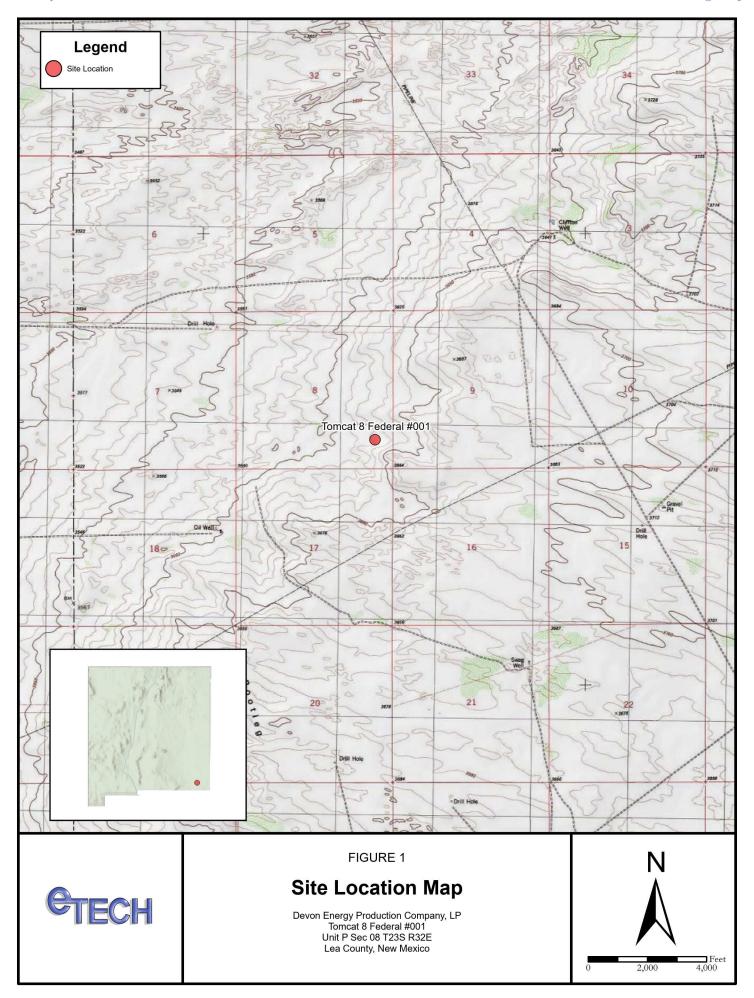
Closure and Reclamation Request Report Tomcat 8 Federal #001 Incident Number nKL1622549584

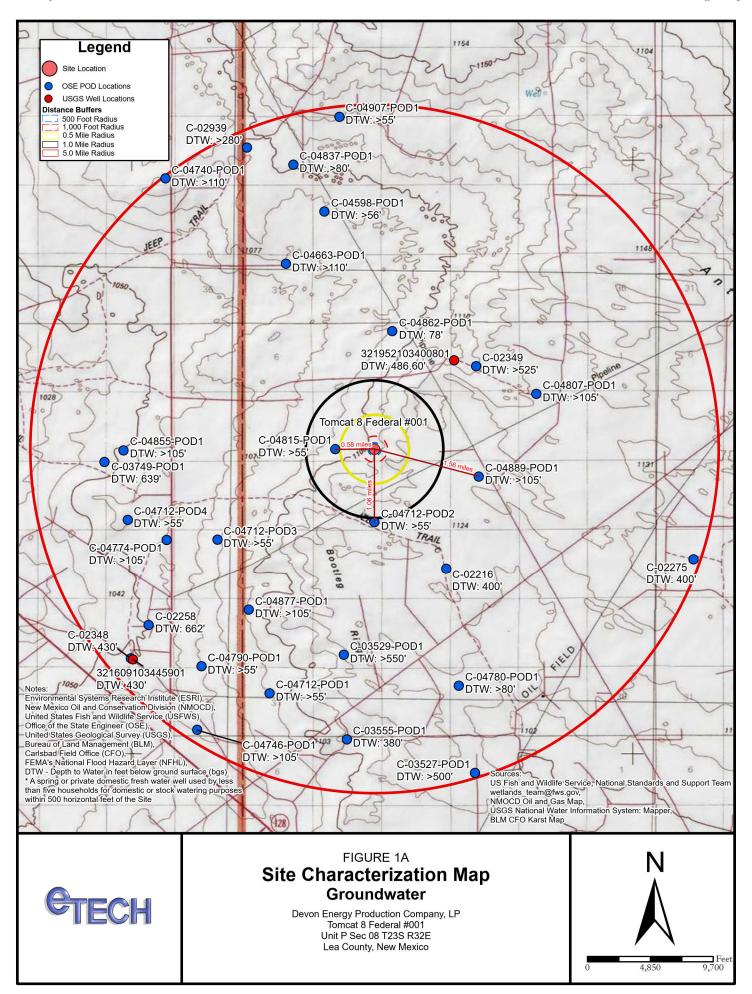
# **APPENDIX A**

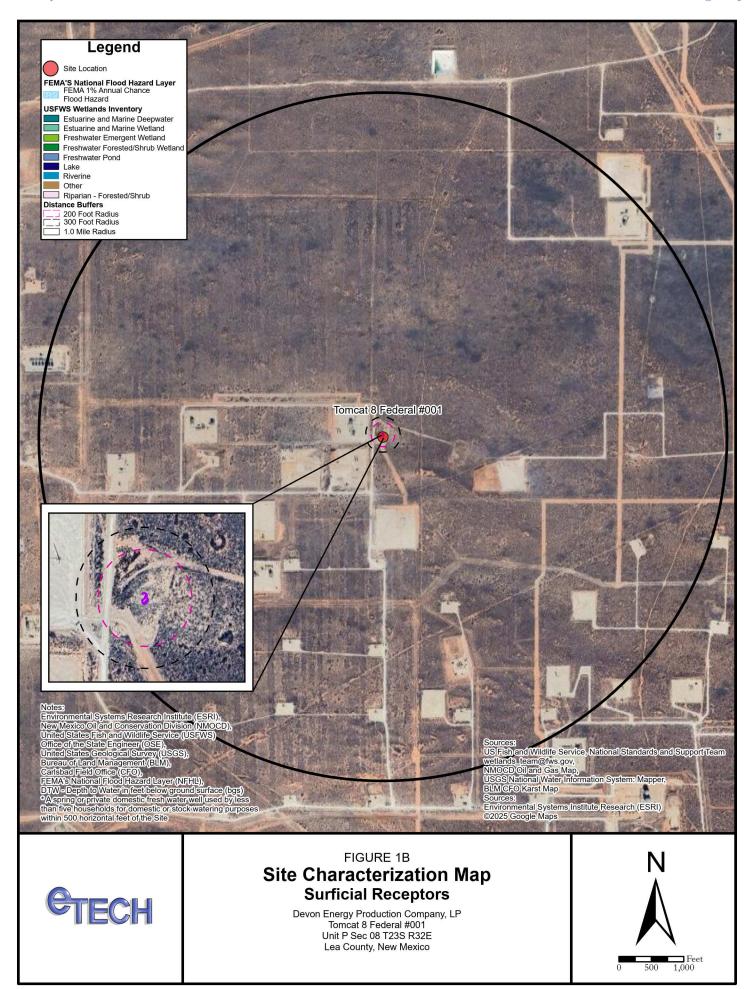
**Figures** 

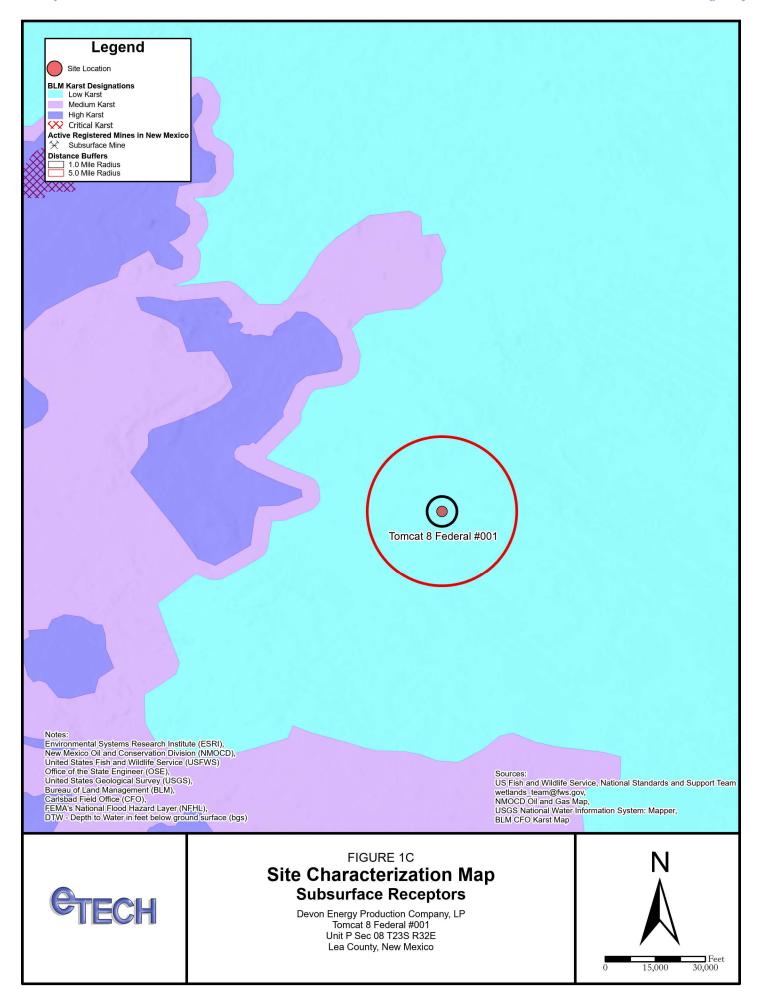
P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213

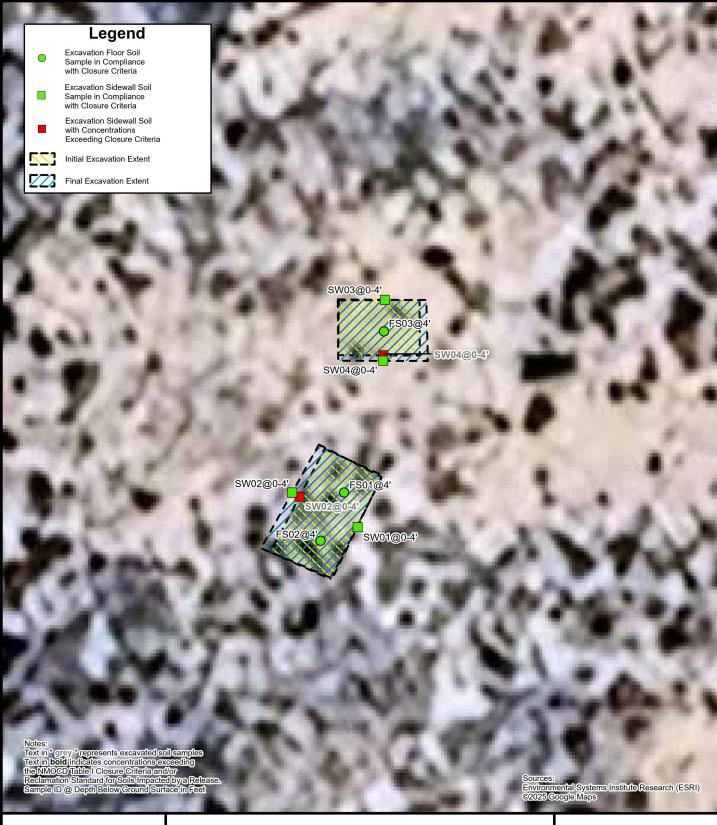










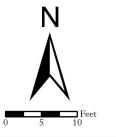


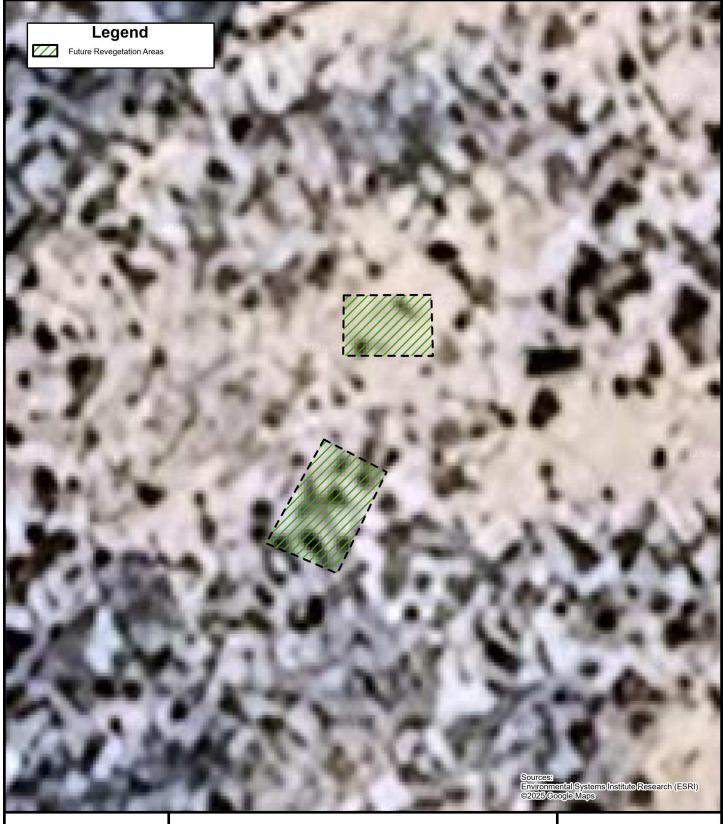


### FIGURE 2

# **Excavation Soil Sample Locations**

Devon Energy Production Company, LP Tomcat 8 Federal #001 Unit P Sec 08 T23S R32E Lea County, New Mexico



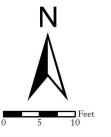




### FIGURE 3

# **Future Revegetation Areas**

Devon Energy Production Company, LP Tomcat 8 Federal #001 Unit P Sec 08 T23S R32E Lea County, New Mexico



# **APPENDIX B**

Referenced Well Records

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





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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: File Nbr: 757440 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,

Rodolfo Chavez (575) 622 - 6521

Rodolfo Chaus

drywell



# PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

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')	te well plugging bega	n: 4-22-24		_ Date	well plug	ging conclu	ded: 4-22-24	
5) GPS	S Well Location:	Latitude: Longitude:	32 -103	_deg, _deg,	18 41	min,5	1.8 sec 9.4 sec, WG	S 84
6) Dep	pth of well confirmed the following manner	at initiation of p	plugging as:	55	ft belo	w ground le	evel (bgl),	7 5
	tic water level measu							
8) Date	te well plugging plan	of operations wa	as approved	by the Sta	ate Engin	eer: 03-07-	-2024	
9) Wes	ere all plugging activition	ties consistent w	ith an appro	ved plugg	ging plan?	Yes	If not,	please descripages as needed)

Version: September 8, 2009

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10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

### For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement  Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
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		cubic yards x 20	1.97 = gallons		

### III. SIGNATURE:

I, Jason Maley , say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Driller

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# WELL RECORD & LOG

### OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

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^					ROSWEIL		STATE  NM 88	ZIP BAOL
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WELL TAG ID NO.

PAGE 1 OF 2

FROM	reet 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
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METHODI	CED TO E	CTIMATE VIELD	OF WATER-BEARING STRATA:	TOTAL ESTIMATED	
PUM		5 5 5 5 <u>5 5</u>	BAILER OTHER – SPECIFY:	WELL YIELD (gpm):	Dry
WELL TES			ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INC IE, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVI		
MISCELLA	NEOUS IN	FORMATION:	rugged no water	st 35°	
PRINT NAM	ME(S) OF I	ORILL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CON	STRUCTION OTHER TH	IAN LICENSE
				JSE 0JT APR 4 2023	PM1:23
CORRECT	RECORD (	OF THE ABOVE D	IES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BEL ESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL I D DAYS AFTER COMPLETION OF WELL DRILLING:	IEF, THE FOREGOING I	S A TRUE AN ATE ENGINE
	$\sim$	1	Janes Mal	3/11/0	7
	SIGNA	TIPE OF DRILLE	R / PRINT SIGNEE NAME	DIZ4 X	-)

2

POD NO.

23.32.17.444

TRN NO.

WELL TAG ID NO.

PAGE 2 OF 2

FILE 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,

Maret Thompson (575) 622 - 6521

drywell

PAGE 1 OF 2

WELL TAG ID NO. —



	OSE POD NO.	(WELL NO	)		WELL TAG ID NO	)		OSE FILE NO(	(2)			
ON	POD1	(WEEE NO	.)		N/A	<b>7</b> .	,	C-04889 PC				
OCATI	WELL OWNE Devon Ene		action Company, LF					PHONE (OPTIO 575-689-759				
AND WELL LOCATION	WELL OWNE 5315 Buena							CITY Carlsbad		STATE NM	88220	ZIP
RAL AND V	WELL LOCATION (FROM GPS		TITUDE	GREES 32 103	MINUTES 18	SECO1 30.	96 <sub>N</sub>		REQUIRED: ONE TENT	ΓH OF A	SECOND	
1. GENERAL	DESCRIPTIO	ON RELATIN	NGITUDE NG WELL LOCATION TO Township 23S, Rang	STREET ADDR	ESS AND COMMO			S (SECTION, TO	WNSHJIP, RANGE) WH	ERE AVA	AILABLE	
	LICENSE NO.		NAME OF LICENSED		ohn Scarboroug	;h			NAME OF WELL DRI		OMPANY th Drilling Inc	
	DRILLING ST 10/21/2		DRILLING ENDED 10/21/2024	DEPTH OF COM	MPLETED WELL (I	FT)		LE DEPTH (FT) 105	DEPTH WATER FIRS	ST ENCO N/A	,	
NC	COMPLETED	WELL IS:	ARTESIAN	✓ DRY HOLI	E SHALLO	OW (UNCC	ONFINED)		STATIC WATER LEV	EL IN CO N/A		LL (FT)
ATIC	DRILLING FL	LUID:	✓ AIR	MUD	ADDITI	VES – SPE	CIFY:					
)RM	DRILLING M	ETHOD:	✓ ROTARY	HAMMER	CABLE	TOOL	OTHE	R – SPECIFY:				
CASING INFORMATION	DEPTH (	(feet bgl)	BORE HOLE DIAM (inches)	(include e	MATERIAL AN GRADE each casing string ections of screen	g, and	CONN T	ASING NECTION YPE	CASING INSIDE DIAM. (inches)	TH	ING WALL ICKNESS inches)	SLOT SIZE (inches)
¿ CA	0	105	5.00	Soil Boring (and cou				ing diameter)				
DRILLING &												
ILLI												
2. DR									1			
7											× v	-
									OSEDIIR	JOWE Value		
									and the state of t		27 22	
	DEPTH (	(feet bgl)	BORE HOLE		ST ANNULAR S				AMOUNT		METHO	
RIAI	FROM	TO	DIAM. (inches)	GRAV	VEL PACK SIZE		E BY INTE	RVAL	(cubic feet)		PLACEN	IEN I
ANNULAR MATERIAL						N/A	-			-	2	
RM			_									
ULA												
NNA												
3.												
	OSE INTERI	NAL USE	ন		POD N		WR-2	WELL RECORD & NO. 768314	k LOG	(Version 04/3	0/19)	

LOCATION 235.32E.15.421

	DEPTH (	feet bgl)		COLOR AN	D TYPE OF M	ATERIAL ENCOUN	TERED -		WATER	ESTIMATED YIELD FOR
	FROM	то	THICKNESS (feet)	INCLUDE WATE	R-BEARING	CAVITIES OR FRAC ets to fully describe s	TURE ZONE	S	BEARING? (YES/NO)	WATER- BEARING ZONES (gpm)
			10	Sand with Si	It, Red to Medi	um Brown, Coarse to	Very Fine		Y /N	
	0	10	10			Tan, Medium to Coa		1	Y ✓N	
	10	20	10			mall to Large with M			Y /N	
	20	30	10			ht Brown, Coarse to F	ACT TO THE REAL PROPERTY OF THE PERSON OF TH		Y /N	
	30	40	10			to Tan, Coarse to Fin			Y /N	
	40	50	10			to Red, Coarse to Ve			Y ✓N	
LL	50	60	10	Inter-bedded Sand	stone and Sand	, Medium Brown, Me	dium to Coars	e	Y √N	
4. HYDROGEOLOGIC LOG OF WELL	60	70	10			Brown, Mcdium to I			Y /N	
0.5	70	80	10			Brown, Medium to I			Y /N	
3	80	90	-			um Brown, Medium t		1	Y /N	
Ş	90	100	10			o Tan, Coarse to Fine			Y √N	
070	100	105	5	•		en, Coarse to Fine Gra			Y /N	
GE	105	105	0	Silty Sa	ind, Tan to Gre	cu, Coarse to Tine on			y N	
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1										
ĺ				OF WATER-BEARING	G STRATA:   THER – SPECI	FY:			LESTIMATED YIELD (gpm):	0.00
	PUMI				EL COLLECTI	ED DUBING WELL	resting, in	CLUDIN	G DISCHARGE	METHOD,
NO	WELL TEST	TEST STAI	RESULTS - ATT RT TIME, END TI	ME, AND A TABLE SE	HOWING DISC	CHARGE AND DRA	WDOWN OV	ER THE	TESTING PERIO	OD.
TEST; RIG SUPERVISIO	MISCELLA	NEOUS IN	FORMATION: Te	emporary well materiallow ground surface (	al removed ar	d soil boring backf lrated bentonite chi	illed using d ps 10 ft bgs	rill cutti to groun	ngs from total d d surface.	lepth to 10 ft
UPF			•						SWELL NM	
16.8							160	EC '2	4 AH10:29	
T; R					,	armenano) (	wwell co	ICTRIC	TION OTHER T	HAN LICENSEE
TES	PRINT NAM	E(S) OF D	RILL RIG SUPER	VISOR(S) THAT PRO	VIDED ONSI	E SUPERVISION O	F WELL COL	131800	TON OTHER I	and all totals.
- 1	Scott Scarbo									
E	BY SIGNING RECORD OF	G BELOW	, I CERTIFY TH.	AT TO THE BEST O WELL. I ALSO CERT WITH THE PERMIT I	F MY KNOW TFY THAT TH OLDER WIT	LEDGE AND BELL IE WELL TAG, IF R HIN 30 DAYS AFTE	IEF, THE FO EQUIRED, H R THE COMF	REGOIN AS BEEN LETION	IG IS A TRUE . N INSTALLED A I OF WELL DRII	AND CORRECT AND THAT THIS LLING.
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SIGNATURE	/		0 1	/	8	2/2	1	. ~	17/20	4
6. SIC	( R	≥4	Ma/	LAM	2201	Maroy	<u></u>	12	151 200 DATE	
		SIGNAT	URE OF DAILLE	R / PRINT SIGNEE	NAME				DATE	
							WR-20. W	ELL REC	CORD & LOG (V	ersion 04/30/2019)
	OSE INTERN	Commence of the State of the St			POD NO.		TRN NO.		6314	
FILE		225 225			And the second s					
	(2)	DCE	15.421							

# ditte state contract

# 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

right file.)	closed)			larges									(meters)		(In feet)	)
POD Number	Code	Sub basin	County	Q64	Q16	<b>Q4</b>	Sec	Tws	Range	X	Y	Мар	Distance	Well Depth		Water Column
C 04815 POD1		CUB	LE	NW	SE	SW	80	23S	32E	622391.9	3576025.7	•	922	55		
<u>C 04712 POD2</u>		CUB	LE	SE	SE	SE	17	23S	32E	623331.9	3574331.5	•	1704	55		
<u>C 04889 POD1</u>		CUB	LE	SE	NE	NW	15	23S	32E	625771.5	3575426.3	•	2532	105		
<u>C 04862 POD1</u>		CUB	LE	NE	NW	NW	04	23S	32E	623697.0	3578798.5	•	2788	105	78	27
<u>C 02349</u>		CUB	ED	SE	NE	SW	03	23S	32E	625677.9	3578003.4	•	3075	525		
<u>C 02216</u>		CUB	LE	NE	NE	SE	21	23S	32E	625035.0	3573261.0 *	•	3265	585	400	185
C 03851 POD1		CUB	LE	SW	SW	SE	20	23S	32E	622879.6	3572660.0	•	3403	1392	713	679
<u>C 04704 POD1</u>		CUB	ED	SW	NE	NE	13	23S	31E	619854.4	3575363.5	•	3524			
<u>C 04807 POD1</u>		CUB	LE	NW	NE	NW	11	23S	32E	627099.7	3577375.0	•	4015	105		
<u>C 04712 POD3</u>		CUB	ED	SE	NW	NE	24	23S	31E	619650.7	3573877.9	•	4251	55		
<u>C 04726 POD1</u>		CUB	ED	NW	NW	SE	01	23S	31E	619538.3	3578821.3	•	4691			
<u>C 04877 POD1</u>		CUB	LE	SE	NW	NW	30	23S	32E	620404.8	3572240.0	•	4782	105		
<u>C 04663 POD1</u>		CUB	LE	SW	NW	NE	31	22S	32E	621181.3	3580341.4	•	4804	110		
C 03529 POD1		C	LE	NE	SE	SW	29	23S	32E	622651.2	3571212.5	•	4868	550		
<u>C 04774 POD1</u>		CUB	ED	SE	NE	NE	23	23S	31E	618456.0	3573856.4	•	5324	105		
<u>C 04598 POD1</u>		CUB	LE	NE	SW	NW	29	22S	32E	622069.2	3581570.2	•	5672	56		
C 04780 POD1		CUB	LE	NW	SW	NW	34	23S	32E	625363.6	3570521.7	•	5882	80		
C 04855 POD1		CUB	ED	NE	SW	SW	11	23S	31E	617417.6	3575936.7	•	5897	105		
<u>C 04712 POD4</u>		CUB	ED	NW	SE	SW	14	23S	31E	617535.4	3574316.2	•	6029	55		
<u>C 04712 POD1</u>		CUB	LE	NW	SE	NW	31	23S	32E	620917.2	3570289.2	•	6226	55		
<u>C 02777</u>		CUB	ED	SE	SE	SE	10	23S	31E	616973.8	3575662.1	•	6351	890		
<u>C 03749 POD1</u>		CUB	ED		NE	NE	15	23S	31E	616973.8	3575662.1	•	6351	865	639	226
<u>C 04790 POD1</u>		CUB	ED	SE	SE	SW	25	23S	31E	619309.4	3570904.8	•	6508	55		
<u>C 02258</u>		C	ED		SW	NE	26	23S	31E	618055.0	3571853.0 *	•	6719	662		
<u>C 02756</u>		CUB	ED	SW	SE	SE	26	22S	31E	618250.0	3580606.0 *	•	6821	1998		
<u>C 03152</u>		CUB	ED	SW	SE	SE	26	22S	31E	618250.0	3580606.0 *	•	6821	938		
<u>C 03555 POD1</u>		C	LE	NE	NE	NW	05	24S	32E	622748.5	3569233.6	•	6825	600	380	220
<u>C 04837 POD1</u>		CUB	LE	SE	NW	SE	19	22S	32E	621328.1	3582655.6	•	6911	80		
<u>C 02348</u>		C	ED	NW	SE	SW	26	23S	31E	617647.5	3571068.0	•	7535	700	430	270
<u>C 02939</u>		C	LE	SW	SW	NW	19	22S	32E	620234.0	3583042.0 *	•	7653	280		
<u>C 03138</u>		CUB	ED	SW	SW	SW	26	22S	31E	617043.0	3580591.0 *	•	7750	750		
<u>C 04746 POD1</u>		CUB	ED	SW	SE	SW	36	23S	31E	619225.7	3569417.8	•	7779	105		
<u>C 04907 POD1</u>		CUB	LA	SW	SW	SE	17	22S	32E	622396.4	3583785.0	•	7803	55		
<u>C 02773</u>		CUB	ED	SE	NW	SW	03	23S	31E	615668.0	3577762.0 *	•	7838	880		
C 04709 POD1		CUB	ED	SW	NW	NW	15	23S	31E	615508.8	3575262.4	•	7843			
<u>C 02275</u>		CUB	LE	SW	SW	NE	19	23S	33E	630843.0	3573557.0 *	•	7926	650	400	250
C 03527 POD1		C	LE	NW	NE	SW	03	24S	32E	625769.7	3568487.2	•	7938	500		
<u>C 04740 POD1</u>		CUB	ED	SW	SE	SE	23	22S	31E	618327.8	3582299.2	•	8005	110		

Average Depth to Water: **434 feet**Water Column/Average Depth to
Water

Minimum Depth: 78 feet of 139

Maximum Depth: 713 feet

Record Count: 38

**Basin/County Search:** 

Basin: C

**UTM Filters (in meters):** 

**Easting:** 623314 **Northing:** 3576036 **Radius:** 8047

\* UTM location was derived from PLSS - see Help

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.

# APPENDIX C

Photographic Log

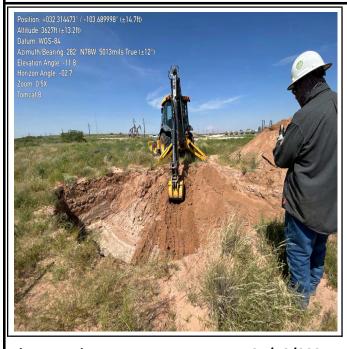
P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213



# **CTECH**

# PHOTOGRAPHIC LOG Devon Production Company, LP

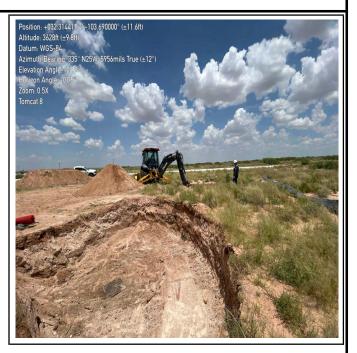
Tomcat 8 Federal #001 Incident Number: nKL1622549584



Photograph 1 Date: 07/18/2025
Description: Northwestern view of excavation activities.



Photograph 3 Date: 08/14/2025 Description: Northeastern view of excavation activities.



Photograph 2 Date: 07/18/2025
Description: Northwestern view of excavation activities.



Photograph 4 Date: 08/14/2025 Description: Southwestern view of excavation activities.

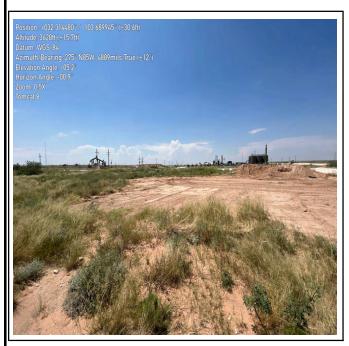


# PHOTOGRAPHIC LOG Devon Production Company, LP Tomcat 8 Federal #001

Incident Number: nKL1622549584



Photograph 5 Date: 08/29/2025 Description: View of backfill stockpile soil sample nutrient test results.



Photograph 7 Date: 08/29/2025

Description: Northwestern view of completed reclamation activites.



Photograph 6 Date: 08/29/2025 Description: View of backfill stockpile soil sample nutrient test results.



Photograph 8 Date: 08/29/2025
Description: Southwestern view of completed reclamation activites.

# APPENDIX D

**Tables** 

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 8 Federal #001 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)
NMOCD Table I Closure (NMAC 19.15.29)	Criteria for Soils Impa	cted by a Release	10	50	NE	NE	NE	1,000	2,500	10,000
				Excavation Soi	l Samples- Incident Num	ber nKL1622549584				
FS01	07/18/2025	4	<0.0250	<0.0500	<20.0	256	491	256	747	1,250
FS02	07/18/2025	4	<0.0250	<0.0500	<20.0	<25.0	52.1	<25.0	52.1	1,120
FS03	07/18/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	599
SW01	07/18/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	486
SW02	07/18/2025	0-4	<0.0250	<0.0500	<20.0	68.0	81.6	68.0	150	347
SW02	08/14/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	52.0	<0.25	52.0	139
SW03	07/18/2025	0-4	<0.0250	<0.0500	<20.0	27.3	<50.0	27.3	27.3	212
SW04	07/18/2025	0-4	<0.0250	<0.0500	<20.0	47.2	54.7	47.2	102	394
SW04	08/14/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	118
				Backfill Soil S	Samples- Incident Numbe	er nKL1622549584				
BG01	8/29/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	150
STKP01	8/29/2025	-	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	125
STKP02	8/29/2025	-	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	127

#### 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

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard<sup>†</sup> 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 Co. LP Tomcat 8 Federal #001 Lea County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Nitrogen	Potash	Phosphorous	PH (ppm)	Chloride (ppm)						
Restoration Soil Samples - Incident Number nAB1805133508													
BG01	08/29/2025	0.5	Very Low	Low	Very Low	7.5	<116						
STKP01	08/29/2025	-	Very Low	Low	Very Low	7.5	<116						
STKP02	08/29/2025	-	Very Low	Low	Very Low	7.5	<116						

Notes:

bgs: below ground surface ppm: parts per million

<sup>&</sup>quot;-" symbol: sample depth is not applicable

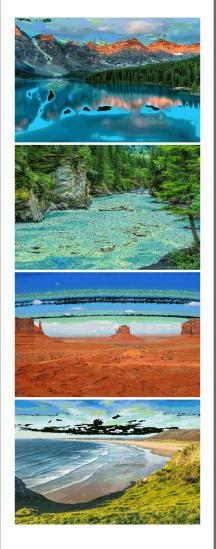
# **APPENDIX E**

Laboratory Analytical Reports & Chain-of-Custody Documentation

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



Report to:
Anna Byers



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Devon Energy - Carlsbad

Project Name: TOMCAT 8 FEDERAL #001

Work Order: E507255

Job Number: 01058-0007

Received: 7/22/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/30/25

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: 7/30/25

Anna Byers 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: TOMCAT 8 FEDERAL #001

Workorder: E507255

Date Received: 7/22/2025 6:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/22/2025 6:45:00AM, under the Project Name: TOMCAT 8 FEDERAL #001.

The analytical test results summarized in this report with the Project Name: TOMCAT 8 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 reguarding 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

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

**Southern New Mexico Area** 

Lynn Jarboe

Laboratory Technical Representative Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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### Sample Summary

Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	Donoutode
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	07/30/25 08:54

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
FS01 4'	E507255-01A Soil	07/18/25	07/22/25	Glass Jar, 2 oz.
FS02 4'	E507255-02A Soil	07/18/25	07/22/25	Glass Jar, 2 oz.
FS03 4'	E507255-03A Soil	07/18/25	07/22/25	Glass Jar, 2 oz.



# **Sample Data**

Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	7/30/2025 8:54:00AM

### FS01 4' E507255-01

		E30/233-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2530147
Benzene	ND	0.0250	1	07/24/25	07/27/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/27/25	
Toluene	ND	0.0250	1	07/24/25	07/27/25	
o-Xylene	ND	0.0250	1	07/24/25	07/27/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/27/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/27/25	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	70-130	07/24/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2530147	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/27/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130	07/24/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2531032	
Diesel Range Organics (C10-C28)	256	25.0	1	07/28/25	07/29/25	
Oil Range Organics (C28-C36)	491	50.0	1	07/28/25	07/29/25	
Surrogate: n-Nonane		100 %	61-141	07/28/25	07/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2531023
Chloride	1250	20.0	1	07/28/25	07/28/25	



Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	7/30/2025 8:54:00AM

#### FS02 4'

#### E507255-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2530147
Benzene	ND	0.0250	1	07/24/25	07/27/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/27/25	
Toluene	ND	0.0250	1	07/24/25	07/27/25	
o-Xylene	ND	0.0250	1	07/24/25	07/27/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/27/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/27/25	
Surrogate: 4-Bromochlorobenzene-PID		97.9 %	70-130	07/24/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: BA		Batch: 2530147
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/27/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	07/24/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: HM		Batch: 2531032
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/25	07/29/25	
Oil Range Organics (C28-C36)	52.1	50.0	1	07/28/25	07/29/25	
Surrogate: n-Nonane		104 %	61-141	07/28/25	07/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: JM		Batch: 2531023
Amons by ETA 500.0/7050A						



Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	7/30/2025 8:54:00AM

#### FS03 4'

#### E507255-03

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: BA		Batch: 2530147
Benzene	ND	0.0250	1	07/24/25	07/27/25	
Ethylbenzene	ND	0.0250	1	07/24/25	07/27/25	
Toluene	ND	0.0250	1	07/24/25	07/27/25	
o-Xylene	ND	0.0250	1	07/24/25	07/27/25	
p,m-Xylene	ND	0.0500	1	07/24/25	07/27/25	
Total Xylenes	ND	0.0250	1	07/24/25	07/27/25	
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	07/24/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: BA		Batch: 2530147
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/24/25	07/27/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	07/24/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: HM		Batch: 2531032
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/25	07/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/25	07/29/25	
Surrogate: n-Nonane		100 %	61-141	07/28/25	07/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2531023
Chloride	599	20.0		07/28/25	07/29/25	•



		QC D	umm	ii y Dat	a				
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:	0	OMCAT 8 FE 1058-0007 nna Byers	DERAL#	001			<b>Reported:</b> 7/30/2025 8:54:00AM
		Volatile O	rganics l	by EPA 802	21B				Analyst: BA
		Reporting	Spike	Source		Rec		RPD	
Analyte	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2530147-BLK1)							Prepared: 0	7/24/25 A	Analyzed: 07/27/25
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	7.97		8.00		99.6	70-130			
LCS (2530147-BS1)							Prepared: 0	7/24/25 A	Analyzed: 07/27/25
Benzene	5.82	0.0250	5.00		116	70-130			
Ethylbenzene	5.66	0.0250	5.00		113	70-130			
Foluene	5.76	0.0250	5.00		115	70-130			
o-Xylene	5.55	0.0250	5.00		111	70-130			
p,m-Xylene	11.4	0.0500	10.0		114	70-130			
Total Xylenes	16.9	0.0250	15.0		113	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.3	70-130			
Matrix Spike (2530147-MS1)				Source:	E507254-	05	Prepared: 0	7/24/25 A	Analyzed: 07/27/25
Benzene	5.87	0.0250	5.00	ND	117	70-130			
Ethylbenzene	5.70	0.0250	5.00	ND	114	70-130			
Toluene	5.81	0.0250	5.00	ND	116	70-130			
o-Xylene	5.58	0.0250	5.00	ND	112	70-130			
p,m-Xylene	11.5	0.0500	10.0	ND	115	70-130			
Total Xylenes	17.0	0.0250	15.0	ND	114	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.71		8.00		96.3	70-130			
Matrix Spike Dup (2530147-MSD1)				Source:	E507254-	05	Prepared: 0	7/24/25 A	Analyzed: 07/27/25
Benzene	5.67	0.0250	5.00	ND	113	70-130	3.53	27	
Ethylbenzene	5.51	0.0250	5.00	ND	110	70-130	3.41	26	
Toluene	5.60	0.0250	5.00	ND	112	70-130	3.67	20	
o-Xylene	5.39	0.0250	5.00	ND	108	70-130	3.51	25	
p,m-Xylene	11.1	0.0500	10.0	ND	111	70-130	3.43	23	
Total Xylenes	16.5	0.0250	15.0	ND	110	70-130	3.46	26	
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		95.9	70-130			
• • • • • • • • • • • • • • • • • • • •									



Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	7/30/2025 8:54:00AM

Artesia NM, 88210		Project Manage	r: An	na Byers				7.	/30/2025 8:54:00AN
	Non	halogenated	Organics l	oy EPA 80	15D - GI	RO			Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2530147-BLK1)							Prepared: 0	7/24/25 Ana	alyzed: 07/27/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.3	70-130			
LCS (2530147-BS2)							Prepared: 0	7/24/25 Ana	alyzed: 07/27/25
Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		94.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			
Matrix Spike (2530147-MS2)				Source:	E507254-0	05	Prepared: 0	7/24/25 Ana	alyzed: 07/27/25
Gasoline Range Organics (C6-C10)	53.8	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.8	70-130			
Matrix Spike Dup (2530147-MSD2)				Source:	E507254-0	05	Prepared: 0	7/24/25 Ana	alyzed: 07/27/25
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130	0.773	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.2	70-130			

Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	_
Artesia NM, 88210	Project Manager:	Anna Byers	7/30/2025 8:54:00AM

Artesia NM, 88210		Project Manage	r: Ar	nna Byers					7/30/2025 8:54:00AM
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: HM									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2531032-BLK1)							Prepared: 0	7/28/25 <i>F</i>	Analyzed: 07/29/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.6		50.0		101	61-141			
LCS (2531032-BS1)							Prepared: 0	7/28/25 A	Analyzed: 07/29/25
Diesel Range Organics (C10-C28)	264	25.0	250		106	66-144			
Surrogate: n-Nonane	49.1		50.0		98.2	61-141			
Matrix Spike (2531032-MS1)				Source:	E507254-0	04	Prepared: 0	7/28/25 A	Analyzed: 07/29/25
Diesel Range Organics (C10-C28)	289	25.0	250	ND	115	56-156			
Surrogate: n-Nonane	53.0		50.0		106	61-141			
Matrix Spike Dup (2531032-MSD1)				Source:	E507254-0	04	Prepared: 0	7/28/25 A	Analyzed: 07/29/25
Diesel Range Organics (C10-C28)	294	25.0	250	ND	118	56-156	1.90	20	
Surrogate: n-Nonane	53.3		50.0		107	61-141			

Devon Energy - Carlsbad		Project Name:		OMCAT 8 FE	DERAL #0	001			Reported:
6488 7 Rivers Hwy Artesia NM, 88210		Project Number: Project Manager:		1058-0007 nna Byers					7/30/2025 8:54:00AM
		Anions	by EPA 3	300.0/9056	A				Analyst: JM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2531023-BLK1)							Prepared: 0	7/28/25 Ai	nalyzed: 07/28/25
Chloride	ND	20.0							
LCS (2531023-BS1)							Prepared: 0	7/28/25 A	nalyzed: 07/28/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2531023-MS1)				Source:	E507253-0	03	Prepared: 0	7/28/25 A	nalyzed: 07/28/25
Chloride	685	20.0	250	463	88.9	80-120			
Matrix Spike Dup (2531023-MSD1)				Source:	E507253-0	03	Prepared: 0	7/28/25 A	nalyzed: 07/28/25
Chloride	713	20.0	250	463	99,9	80-120	3.95	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**

ſ	Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	
l	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
l	Artesia NM, 88210	Project Manager:	Anna Byers	07/30/25 08:54

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.



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₹.	Project Manager: Anna Byers							
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2:3	Sampled	Date Sampled	Matrix	Cor				
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### **Chain of Custody**

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Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		Depth	Lab Numbe	DRO/ORO	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample	Ten	R	emar	ks
12:20	7/18/2025	S	1		FS01		4'	1									Х			1.8	3			
12:25	7/18/2025	S	1		FS02		4'	2									Х			1.(				
13:15	7/18/2025	S	1		FS03		4'	3							$\dashv$	$\dashv$	Х	$\vdash$	$\vdash$		-			
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Addition	al Instructio	ns:					1																	
I, (field samp	oler), attest to the	validity and	authenticity	of this sample. I am awar	e that tampering with or	intentionally mislabeling th	e sample	location, d	ate or tir	me of co	ollectio	on is co	nsidere	ed fraud	d and r	may be	e groui	nds for	legal a	ction.				
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	rix: <b>S</b> - Soil, <b>Sd</b> - S				<u> </u>			ner Type																
Note: Samp	oles are discard	ed 14 days	after results	are reported unless otl	ner arrangements are	made. Hazardous sample	es will be	returned	to clien	t or dis	sposed	d of at	the cli	ient ex	pense	e. The	repo	rt for t	the an	alysis c	f the a	above s	ample	es 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.

Printed: 7/22/2025 8:18:05AM

#### **Envirotech Analytical Laboratory**

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:	07/22/25	06:45	Work Order ID:	E507255
Phone:	(575) 748-0176	Date Logged In:	07/21/25	16:53	Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:	07/29/25	17:00 (5 day TAT)		
Chain of	Custody (COC)					
	he sample ID match the COC?		Yes			
2. Does t	he number of samples per sampling site location ma	tch the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were a	all samples received within holding time?		Yes			
	Note: Analysis, such as pH which should be conducted it.e, 15 minute hold time, are not included in this disucss:	•			Comment	ts/Resolution
Sample '	Furn Around Time (TAT)	ion.				
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (						
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	s, were custody/security seals intact?					
-	•		NA			
12. was u	ne sample received on ice?  Note: Thermal preservation is not required, if samples a	re received within	Yes			
	15 minutes of sampling	io recerved within				
13. See C	COC for individual sample temps. Samples outside of	of 0°C-6°C will be	recorded	in comments.		
Sample (	<u>Container</u>					
	iqueous VOC samples present?		No			
15. Are \	OC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	a trip blank (TB) included for VOC analyses?		NA			
18. Are n	non-VOC samples collected in the correct containers	3?	Yes			
19. Is the	appropriate volume/weight or number of sample contain	iners collected?	Yes			
Field La	<u>bel</u>					
20. Were	field sample labels filled out with the minimum inf	ormation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes	<u> </u>		
	Collectors name?		No			
	Preservation		2.7			
	the COC or field labels indicate the samples were p	reservea?	No			
	ample(s) correctly preserved?	otolo?	NA			
	filtration required and/or requested for dissolved m	iciais?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multipha		No			
27. If yes	s, does the COC specify which phase(s) is to be anal	yzed?	NA			
Subcont	ract Laboratory					
28. Are s	amples required to get sent to a subcontract laborate	ory?	No			
29. Was a	a subcontract laboratory specified by the client and i	if so who?	NA	Subcontract Lab: NA		
Client I	<u>nstruction</u>					
						1
1						

Date

Report to:
Anna Byers



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Devon Energy - Carlsbad

Project Name: TOMCAT 8 FEDERAL #001

Work Order: E507256

Job Number: 01058-0007

Received: 7/22/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/29/25

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: 7/29/25

Anna Byers 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: TOMCAT 8 FEDERAL #001

Workorder: E507256

Date Received: 7/22/2025 6:45:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/22/2025 6:45:00AM, under the Project Name: TOMCAT 8 FEDERAL #001.

The analytical test results summarized in this report with the Project Name: TOMCAT 8 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 reguarding 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

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## Sample Summary

Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	Danautada
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	07/29/25 12:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01 0-4'	E507256-01A	Soil	07/18/25	07/22/25	Glass Jar, 2 oz.
SW02 0-4'	E507256-02A	Soil	07/18/25	07/22/25	Glass Jar, 2 oz.
SW03 0-4'	E507256-03A	Soil	07/18/25	07/22/25	Glass Jar, 2 oz.
SW04 0-4'	E507256-04A	Soil	07/18/25	07/22/25	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	7/29/2025 12:23:22PM

## SW01 0-4' E507256-01

		E307230-01					
Analyte	Result	Reporting Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2530154
Benzene	ND	0.0250	1	[	07/25/25	07/27/25	
Ethylbenzene	ND	0.0250	1	1	07/25/25	07/27/25	
Toluene	ND	0.0250	1	[	07/25/25	07/27/25	
o-Xylene	ND	0.0250	1	1	07/25/25	07/27/25	
p,m-Xylene	ND	0.0500	1	1	07/25/25	07/27/25	
Total Xylenes	ND	0.0250	1	[	07/25/25	07/27/25	
Surrogate: Bromofluorobenzene		113 %	70-130		07/25/25	07/27/25	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130		07/25/25	07/27/25	
Surrogate: Toluene-d8		107 %	70-130		07/25/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2530154
Gasoline Range Organics (C6-C10)	ND	20.0	1	[	07/25/25	07/27/25	
Surrogate: Bromofluorobenzene		113 %	70-130		07/25/25	07/27/25	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130		07/25/25	07/27/25	
Surrogate: Toluene-d8		107 %	70-130		07/25/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	HM		Batch: 2531031
Diesel Range Organics (C10-C28)	ND	25.0	1	[	07/28/25	07/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1		07/28/25	07/29/25	
Surrogate: n-Nonane		88.2 %	61-141		07/28/25	07/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2531024
						07/28/25	



Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	7/29/2025 12:23:22PM

## SW02 0-4' E507256-02

	D 1	Reporting			p 1		N.
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: BA			Batch: 2530154
Benzene	ND	0.0250		1	07/25/25	07/27/25	
Ethylbenzene	ND	0.0250		1	07/25/25	07/27/25	
Toluene	ND	0.0250		1	07/25/25	07/27/25	
o-Xylene	ND	0.0250		1	07/25/25	07/27/25	
p,m-Xylene	ND	0.0500		1	07/25/25	07/27/25	
Total Xylenes	ND	0.0250		1	07/25/25	07/27/25	
Surrogate: Bromofluorobenzene		110 %	70-130		07/25/25	07/27/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		07/25/25	07/27/25	
Surrogate: Toluene-d8		106 %	70-130		07/25/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: BA		Batch: 2530154
Gasoline Range Organics (C6-C10)	ND	20.0		1	07/25/25	07/27/25	
Surrogate: Bromofluorobenzene		110 %	70-130		07/25/25	07/27/25	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		07/25/25	07/27/25	
Surrogate: Toluene-d8		106 %	70-130		07/25/25	07/27/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: HM		Batch: 2531031
Diesel Range Organics (C10-C28)	68.0	25.0		1	07/28/25	07/29/25	
Oil Range Organics (C28-C36)	81.6	50.0		1	07/28/25	07/29/25	
Surrogate: n-Nonane		89.3 %	61-141		07/28/25	07/29/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: JM		Batch: 2531024
Chloride	347	20.0		1	07/28/25	07/28/25	



Devon Energy - CarlsbadProject Name:TOMCAT 8 FEDERAL #0016488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Anna Byers7/29/2025 12:23:22PM

## SW03 0-4' E507256-03

		E307230-03					
		Reporting					
rte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
le Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: BA		Batch: 2530154
ne	ND	0.0250		1	07/25/25	07/27/25	
enzene	ND	0.0250		1	07/25/25	07/27/25	
e	ND	0.0250		1	07/25/25	07/27/25	
ne	ND	0.0250		1	07/25/25	07/27/25	
ylene	ND	0.0500		1	07/25/25	07/27/25	
Zylenes	ND	0.0250		1	07/25/25	07/27/25	
te: Bromofluorobenzene		111 %	70-130		07/25/25	07/27/25	
te: 1,2-Dichloroethane-d4		97.6 %	70-130		07/25/25	07/27/25	
te: Toluene-d8		108 %	70-130		07/25/25	07/27/25	
alogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: BA		Batch: 2530154
ne Range Organics (C6-C10)	ND	20.0		1	07/25/25	07/27/25	
te: Bromofluorobenzene		111 %	70-130		07/25/25	07/27/25	
te: 1,2-Dichloroethane-d4		97.6 %	70-130		07/25/25	07/27/25	
te: Toluene-d8		108 %	70-130		07/25/25	07/27/25	
alogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: HM		Batch: 2531031
Range Organics (C10-C28)	27.3	25.0		1	07/28/25	07/29/25	
nge Organics (C28-C36)	ND	50.0		1	07/28/25	07/29/25	
te: n-Nonane		100 %	61-141		07/28/25	07/29/25	
s by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2531024
le	212	20.0	_	1	07/28/25	07/28/25	
s by EPA 300.0/9056A		mg/kg			: JM		Batch: 253



Devon Energy - CarlsbadProject Name:TOMCAT 8 FEDERAL #0016488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Anna Byers7/29/2025 12:23:22PM

## SW04 0-4' E507256-04

	120720001				
Result			ion Prepared	Analyzed	Notes
			1		Batch: 2530154
				07/27/25	Batch: 2330134
		1			
		1			
		1			
ND	0.0250	1			
ND	0.0500	1	07/25/25	07/27/25	
ND	0.0250	1	07/25/25	07/27/25	
	111 %	70-130	07/25/25	07/27/25	
	99.6 %	70-130	07/25/25	07/27/25	
	104 %	70-130	07/25/25	07/27/25	
mg/kg	mg/kg	A	nalyst: BA		Batch: 2530154
ND	20.0	1	07/25/25	07/27/25	
	111 %	70-130	07/25/25	07/27/25	
	99.6 %	70-130	07/25/25	07/27/25	
	104 %	70-130	07/25/25	07/27/25	
mg/kg	mg/kg	A	nalyst: HM		Batch: 2531031
47.2	25.0	1	07/28/25	07/29/25	
54.7	50.0	1	07/28/25	07/29/25	
	99.3 %	61-141	07/28/25	07/29/25	
mg/kg	mg/kg	A	nalyst: JM		Batch: 2531024
	mg/kg ND  mg/kg 47.2	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           III %         99.6 %           104 %         mg/kg           ND         20.0           III %         99.6 %           104 %         104 %           mg/kg         mg/kg           47.2         25.0           54.7         50.0	mg/kg         mg/kg         A           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           111 %         70-130         70-130           99.6 %         70-130         1           mg/kg         mg/kg         A           ND         20.0         1           111 %         70-130         70-130           99.6 %         70-130         70-130           104 %         70-130         1           mg/kg         mg/kg         A           47.2         25.0         1           54.7         50.0         1	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         07/25/25           ND         0.0250         1         07/25/25           ND         0.0250         1         07/25/25           ND         0.0250         1         07/25/25           ND         0.0500         1         07/25/25           ND         0.0250         1         07/25/25           ND         0.0250         1         07/25/25           99.6 %         70-130         07/25/25           104 %         70-130         07/25/25           mg/kg         mg/kg         Analyst: BA           ND         20.0         1         07/25/25           99.6 %         70-130         07/25/25           99.6 %         70-130         07/25/25           104 %         70-130         07/25/25           104 %         70-130         07/25/25           mg/kg         mg/kg         Analyst: HM           47.2         25.0         1         07/28/25           54.7         50.0         1         07/28/25	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: BA           ND         0.0250         1         07/25/25         07/27/25           ND         0.0500         1         07/25/25         07/27/25           ND         0.0250         1         07/25/25         07/27/25           ND         0.0250         1         07/25/25         07/27/25           ND         0.0250         1         07/25/25         07/27/25           99.6 %         70-130         07/25/25         07/27/25           104 %         70-130         07/25/25         07/27/25           mg/kg         mg/kg         Analyst: BA           mg/kg         mg/kg         Analyst: HM           47.2         25.0         1         07/28/25         07/29/25           54.7         50.0         1         07/28/25         07/29/25



Devon Energy - Carlsbad TOMCAT 8 FEDERAL #001 Project Name: Reported: Project Number: 6488 7 Rivers Hwy 01058-0007 Artesia NM, 88210 Project Manager: Anna Byers 7/29/2025 12:23:22PM **Volatile Organic Compounds by EPA 8260B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2530154-BLK1) Prepared: 07/25/25 Analyzed: 07/27/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.544 0.500 109 70-130 Surrogate: 1,2-Dichloroethane-d4 0.498 0.500 99.5 70-130 0.500 106 70-130 Surrogate: Toluene-d8 0.530 LCS (2530154-BS1) Prepared: 07/25/25 Analyzed: 07/27/25 2.50 0.0250 2.50 100 70-130 Benzene 2.50 103 70-130 2.57 Ethylbenzene 0.0250 2.46 0.0250 2.50 98.3 70-130 2.52 70-130 0.0250 2.50 101 o-Xylene 5.05 5.00 101 70-130 p,m-Xylene 0.0500 7.58 0.0250 7.50 101 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.552 0.500 110 70-130 0.500 103 70-130 Surrogate: 1,2-Dichloroethane-d4 0.513 70-130 Surrogate: Toluene-d8 0.520 0.500 Matrix Spike (2530154-MS1) Source: E507256-03 Prepared: 07/25/25 Analyzed: 07/27/25 2.62 0.0250 2.50 ND 105 48-131 45-135 Ethylbenzene 2.71 0.0250 2.50 ND 108 ND 48-130 Toluene 2.58 0.0250 2.50 103 2.60 0.0250 2.50 ND 104 43-135 o-Xylene 5.00 ND 104 43-135 p,m-Xylene 5.18 0.0500 Total Xylenes 7.78 0.0250 7.50 ND 104 43-135 Surrogate: Bromofluorobenzene 0.550 0.500 110 70-130 0.491 0.500 98.1 70-130 Surrogate: 1,2-Dichloroethane-d4 0.500 70-130 0.523 Surrogate: Toluene-d8 Matrix Spike Dup (2530154-MSD1) Source: E507256-03 Prepared: 07/25/25 Analyzed: 07/27/25 2.44 0.0250 2.50 ND 97.5 48-131 7.14 23 0.0250 2.50 ND 45-135 6.69 27 Ethylbenzene 2.42 ND 96.7 48-130 6.47 24 2.50 Toluene 0.0250 o-Xylene 2.57 0.0250 2.50 ND 103 43-135 1.01 27 5.13 5.00 ND 103 43-135 27 0.0500 1.01 p,m-Xylene 27 7.70 0.0250 7.50 ND 103 43-135 1.01 Total Xylenes Surrogate: Bromofluorobenzene 0.572 0.500 114 70-130 0.500 98.7 70-130 Surrogate: 1,2-Dichloroethane-d4 0.494 Surrogate: Toluene-d8 0.520 0.500 70-130



Devon Energy - Carlsbad TOMCAT 8 FEDERAL #001 Project Name: Reported: 6488 7 Rivers Hwy Project Number: 01058-0007 7/29/2025 12:23:22PM Artesia NM, 88210 Project Manager: Anna Byers

Nonhalogenated Orga	nics by EPA 8015D - GRO
---------------------	-------------------------

A 1			$\mathbf{r}$
Ana	IVS	t:	В.

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

	Result	Limit	Level	Result	Rec	Limits	KPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2530154-BLK1)							Prepared: 0'	7/25/25 Ar	nalyzed: 07/27/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			
LCS (2530154-BS2)							Prepared: 0'	7/25/25 Ar	nalyzed: 07/27/25
Gasoline Range Organics (C6-C10)	54.7	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	0.553		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.5	70-130			
Surrogate: Toluene-d8	0.540		0.500		108	70-130			
om rogate. Tomene uo	0.540								
Matrix Spike (2530154-MS2)	0.540			Source:	E507256-0	03	Prepared: 0'	7/25/25 Ar	nalyzed: 07/27/25
	52.8	20.0	50.0	Source:	E507256-0	70-130	Prepared: 0°	7/25/25 Ar	nalyzed: 07/27/25
Matrix Spike (2530154-MS2)		20.0					Prepared: 0'	7/25/25 Ar	nalyzed: 07/27/25
Matrix Spike (2530154-MS2) Gasoline Range Organics (C6-C10)	52.8	20.0	50.0		106	70-130	Prepared: 0'	7/25/25 Ar	nalyzed: 07/27/25
Matrix Spike (2530154-MS2) Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene	52.8 0.553	20.0	50.0		106 111	70-130 70-130	Prepared: 0'	7/25/25 Ar	nalyzed: 07/27/25
Matrix Spike (2530154-MS2) Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	52.8 0.553 0.492	20.0	50.0 0.500 0.500	ND	106 111 98.4	70-130 70-130 70-130 70-130			nalyzed: 07/27/25
Matrix Spike (2530154-MS2) Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	52.8 0.553 0.492	20.0	50.0 0.500 0.500	ND	106 111 98.4 106	70-130 70-130 70-130 70-130			
Matrix Spike (2530154-MS2)  Gasoline Range Organics (C6-C10)  Surrogate: Bromofluorobenzene  Surrogate: 1,2-Dichloroethane-d4  Surrogate: Toluene-d8  Matrix Spike Dup (2530154-MSD2)	52.8 0.553 0.492 0.530		50.0 0.500 0.500 0.500	ND Source:	106 111 98.4 106 E507256-0	70-130 70-130 70-130 70-130	Prepared: 0'	7/25/25 Ar	
Matrix Spike (2530154-MS2) Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8  Matrix Spike Dup (2530154-MSD2) Gasoline Range Organics (C6-C10)	52.8 0.553 0.492 0.530		50.0 0.500 0.500 0.500	ND Source:	106 111 98.4 106 <b>E507256-0</b>	70-130 70-130 70-130 70-130 70-130	Prepared: 0'	7/25/25 Ar	



Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	7/29/2025 12:23:22PM

Artesia NM, 88210		Project Manage	r: Ar	ına Byers					7/29/2025 12:23:22PN
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: HM									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2531031-BLK1)							Prepared: 0	7/28/25 A	nalyzed: 07/28/25
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.3		50.0		94.6	61-141			
LCS (2531031-BS1)							Prepared: 0	7/28/25 A	analyzed: 07/28/25
Diesel Range Organics (C10-C28)	259	25.0	250		104	66-144			
Surrogate: n-Nonane	47.0		50.0		94.1	61-141			
Matrix Spike (2531031-MS1)				Source:	E507253-0	03	Prepared: 0	7/28/25 A	analyzed: 07/28/25
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	56-156			
Surrogate: n-Nonane	48.0		50.0		96.0	61-141			
Matrix Spike Dup (2531031-MSD1)				Source:	E507253-0	03	Prepared: 0	7/28/25 A	nalyzed: 07/28/25
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	56-156	3.95	20	
Surrogate: n-Nonane	49.7		50.0		99.4	61-141			

Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		OMCAT 8 FE	DERAL #0	001			Reported:
Artesia NM, 88210		Project Manager:		anna Byers					7/29/2025 12:23:22PM
		Analyst: JM							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2531024-BLK1)							Prepared: 0	7/28/25	Analyzed: 07/28/25
Chloride	ND	20.0							
LCS (2531024-BS1)							Prepared: 0	7/28/25	Analyzed: 07/28/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2531024-MS1)				Source:	E507254-0	)4	Prepared: 0	7/28/25	Analyzed: 07/28/25
Chloride	482	20.0	250	212	108	80-120			
Matrix Spike Dup (2531024-MSD1)				Source:	E507254-0	)4	Prepared: 0	7/28/25	Analyzed: 07/28/25
Chloride	494	20.0	250	212	113	80-120	2.38	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 8 FEDERAL #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	07/29/25 12:23

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.



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	Clie	nt Inforn	nation		1	nvoice Information		1539		La	ıb Us	e On	ly		100 P		TA	λΤ.		Sta	te
	evon Energy			iny, LP		on Energy Productio	n Co.	Lat	wo	)# ~	1.	Job I	Num	ber		1D 2	2D	3D St	d N	vi co u	T TX
Project: TOMCAT 8 FEDERAL #001									20	125	0	UO	20.1	W				>			
	/lanager: Anr				City, State, Zip: Carlsbad, NM, 88220																
	13000 W Co				Phone: 575-885-7502				_	-		Ana	lysis	and	Met	hod			SDWA CWA RCRA		
	e, Zip_Odess 32-305-6415	essa,TX, 79765 415			Email: jim.raley@dvn.com  Miscellaneous:WO:1061476201 - NM Permian														SDWA	CWA	RC
						VO:1061476201 - NM F 305;IN: nKL162254958													Compli	nce Y	or
Liliali. IV	VIIAGEOGIO	ршетесі	lenv.com		Abandon;PN: 19	305;IN: NKL162254958	4	Mydad GRO/DRO by 8015 GRO/DRO by 8015 GRO/DRO by 8015 OCC by 8260 Chloride 300.0 TCEQ 1005 - TX RCRA 8 Metals				Complia		O							
				Sample I	nformation				þ þ	, od C	3021	260	300.	ξ.	leta		Σ	×	W 000000	"	
Time			No. of	- Campion			Τ	Lab	/OR(	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX	Sample	Re	marks
Sampled	Date Sampled	Matrix	Containers		Sample ID		Depth	Number	DRO DRO	GRO	BTE)	VOC	Chlo	TCEO	RCR.		BGDG	BGDG	Sar		
12:30	7/18/2025	S	1		SW01		0-4'	1									Х		3.0		
12:35	7/18/2025	S	1		SW02		0-4'	2									Х		22		
13:20	7/18/2025	S	1		SW03		0-4'	3									х		2.3		
13:25	7/18/2025	S	1		SW04	100 100	0-4'	4								١,	х		1.8		
							-			-						-	-		1.0		
							8														
																	7				
Addition	al Instructio	ns:															!_				
, (field sam	oler), attest to the	validity and	authenticity	of this sample. I am a	aware that tampering with	or intentionally mislabeling	the sample	location, da	te or t	ime of co	ollectio	n is co	nsidere	ed frau	ıd and ı	may be g	roun	ds for leg	al action.		
	Haleigh Blume	n.		Date	Time	Received by: (Signate	ıral			Date				Time					Samples	requiring t	thorma
HU	Sil Ya	MA		07/4/20	U	Vichelle	Gon	zaleç	?		21-			l	20	00			reservatio	must be r	eceive
Refinquished try/signature Date 7-2			1415	Received by: (Signate Marissa.)	Gon	zoles	,	Date	21-	2:	5	Time	115	5		100000		they are s cked on ice			
Relinquished by: (Signature)  Mariana Stannalea  Date 7-21-2			5 1830	Received by: (Signat	ıre)			Date 7	7,1	70		Time	18	330				ut less tha			
Relingysh	ed by: (Signature	1	-	Date	Time	Received by: (Signat	ure)	1 0		Date	10	1:	_	Time	110	_	$\neg$			b Use On	Market and the
C. L. 7.21:			7.21.2	5 2230	Calla		au	į.	7.	12.	25	7	10	145					eived on i		
Relinquish	ed by: (Signature	2)		Date	Time	Received by: (Signat	ure)			Date				Time						(V) N	
	rix: <b>S</b> - Soil, <b>Sd</b> - So			L			10	ner Type:				,				,	\J			•	

Printed: 7/22/2025 8:18:38AM

#### **Envirotech Analytical Laboratory**

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:	07/22/25	06:45	Work Order ID:	E507256
Phone:	(575) 748-0176	Date Logged In:	07/21/25	16:58	Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:	07/29/25	17:00 (5 day TAT)		
Chain of	Custody (COC)					
	he sample ID match the COC?		Yes			
2. Does t	he number of samples per sampling site location ma	atch the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were a	all samples received within holding time?		Yes			
	Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss				Comment	ts/Resolution
Sample '	Furn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (						
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
	s, were custody/security seals intact?		NA			
<del>-</del>	ne sample received on ice?		Yes			
12. ************************************	Note: Thermal preservation is not required, if samples a	re received within	103			
	15 minutes of sampling					
13. See C	COC for individual sample temps. Samples outside	of 0°C-6°C will be	recorded	in comments.		
Sample (	<u>Container</u>					
14. Are a	queous VOC samples present?		No			
15. Are V	OC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	a trip blank (TB) included for VOC analyses?		NA			
18. Are r	on-VOC samples collected in the correct container	s?	Yes			
19. Is the	appropriate volume/weight or number of sample conta	iners collected?	Yes			
Field La	<u>bel</u>					
	field sample labels filled out with the minimum inf	formation:	**			
	sample ID? Date/Time Collected?		Yes			
	Collectors name?		Yes No			
	Preservation_		NO			
	the COC or field labels indicate the samples were	oreserved?	No			
	ample(s) correctly preserved?		NA			
	filtration required and/or requested for dissolved n	netals?	No			
Multiph:	ase Sample Matrix					
	the sample have more than one phase, i.e., multiph	ase?	No			
	s, does the COC specify which phase(s) is to be ana		NA			
	ract Laboratory	•				
	amples required to get sent to a subcontract laborate	orv?	No			
	a subcontract laboratory specified by the client and	•	NA	Subcontract Lab: NA		
				Successful Eur. 1411		
CHEILI	<u>nstruction</u>					
						_

Date

Report to:
Anna Byers



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Devon Energy - Carlsbad

Project Name: TOMCAT 8 FEDERAL #001

Work Order: E508169

Job Number: 01058-0007

Received: 8/15/2025

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 8/20/25

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: 8/20/25

Anna Byers 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: TOMCAT 8 FEDERAL #001

Workorder: E508169

Date Received: 8/15/2025 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/15/2025 7:30:00AM, under the Project Name: TOMCAT 8 FEDERAL #001.

The analytical test results summarized in this report with the Project Name: TOMCAT 8 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 reguarding 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

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Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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## **Sample Summary**

Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	Danautada.
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	08/20/25 16:00

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW02 0-4'	E508169-01A	Soil	08/14/25	08/15/25	Glass Jar, 2 oz.



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Case	N	ara	tiv:	ρ.
Casc	1.7	ara	LIV	·-

Project Name: TOMCAT 8 FEDERAL #001

Workorder:E508169

Date Received: 08/15/25 07:30

The client requested the following sample(s) to be re-extracted and re-analyzed:

Sample Name Laboratory ID Analysis

SW02 0-4' E508169-01A DRO/ORO by 8015

The analytical test results summarized in this revised report represent this re-extration and re-analysis.

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

Respectfully,

Walter Hinchman

Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	8/20/2025 4:00:20PM

## SW02 0-4'

		E508169-01				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2533121
Benzene	ND	0.0250	1	08/15/25	08/15/25	
Ethylbenzene	ND	0.0250	1	08/15/25	08/15/25	
Toluene	ND	0.0250	1	08/15/25	08/15/25	
o-Xylene	ND	0.0250	1	08/15/25	08/15/25	
p,m-Xylene	ND	0.0500	1	08/15/25	08/15/25	
Total Xylenes	ND	0.0250	1	08/15/25	08/15/25	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	08/15/25	08/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2533121
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/25	08/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	08/15/25	08/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KH		Batch: 2534042
Diesel Range Organics (C10-C28)	ND	25.0	1	08/19/25	08/19/25	
Oil Range Organics (C28-C36)	52.0	50.0	1	08/19/25	08/19/25	
Surrogate: n-Nonane		108 %	61-141	08/19/25	08/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2533123
Chloride	139	20.0	1	08/15/25	08/15/25	



Devon Energy - Carlsbad		Project Name:		OMCAT 8 FE	DERAL#	001			Reported:
6488 7 Rivers Hwy		Project Number:	01	1058-0007					
Artesia NM, 88210		Project Manager:	A	nna Byers					8/20/2025 4:00:20PM
		Volatile O	rganics l	by EPA 802	21B				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2533121-BLK1)							Prepared:	08/15/25	Analyzed: 08/15/25
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	8.11		8.00		101	70-130			
LCS (2533121-BS1)							Prepared:	08/15/25	Analyzed: 08/15/25
Benzene	5.54	0.0250	5.00		111	70-130			
Ethylbenzene	5.33	0.0250	5.00		107	70-130			
Foluene	5.47	0.0250	5.00		109	70-130			
o-Xylene	5.23	0.0250	5.00		105	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.7	70-130			
Matrix Spike (2533121-MS1)				Sourc	e: E50817	<b>'2-01</b>	Prepared:	08/15/25	Analyzed: 08/15/25
Benzene	5.17	0.0250	5.00	ND	103	70-130			
Ethylbenzene	4.96	0.0250	5.00	ND	99.1	70-130			
Toluene	5.10	0.0250	5.00	ND	102	70-130			
o-Xylene	4.90	0.0250	5.00	ND	98.0	70-130			
p,m-Xylene	9.97	0.0500	10.0	ND	99.7	70-130			
Total Xylenes	14.9	0.0250	15.0	ND	99.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.10		8.00		101	70-130			
Matrix Spike Dup (2533121-MSD1)				Sourc	e: E50817	<b>72-01</b>	Prepared:	08/15/25	Analyzed: 08/15/25
Benzene	5.14	0.0250	5.00	ND	103	70-130	0.643	27	<u> </u>
Ethylbenzene	4.91	0.0250	5.00	ND	98.3	70-130	0.833	26	
Toluene	5.06	0.0250	5.00	ND	101	70-130	0.871	20	
o-Xylene	4.88	0.0250	5.00	ND	97.7	70-130	0.365	25	
p,m-Xylene	9.90	0.0500	10.0	ND	99.0	70-130	0.720	23	
Total Xylenes	14.8	0.0250	15.0	ND	98.5	70-130	0.603	26	
Surrogate: 4-Bromochlorobenzene-PID	8.02		8.00		100	70-130			

Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Number:	TOMCAT 8 FEDERAL #001 01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	8/20/2025 4:00:20PM

Artesia NM, 88210		Project Manage	r: Ar	nna Byers				8/2	0/2025 4:00:20PM
	Nor	halogenated	Organics l	by EPA 80	15D - G	RO			Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2533121-BLK1)							Prepared:	08/15/25 An	alyzed: 08/15/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			
LCS (2533121-BS2)							Prepared:	08/15/25 An	alyzed: 08/18/25
Gasoline Range Organics (C6-C10)	54.8	20.0	50.0		110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.2	70-130			
<b>Matrix Spike (2533121-MS2)</b>				Source	e: E50817	2-01	Prepared:	08/15/25 An	alyzed: 08/15/25
Gasoline Range Organics (C6-C10)	49.0	20.0	50.0	ND	98.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.6	70-130			
Matrix Spike Dup (2533121-MSD2)				Source	e: E50817	2-01	Prepared:	08/15/25 An	alyzed: 08/15/25
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.0	70-130	1.08	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.3	70-130			

Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	8/20/2025 4:00:20PM
Artesia NM, 88210	Project Manager:	Anna Byers	

Artesia NM, 88210		Project Manage	r: Ar	nna Byers				8/2	20/2025 4:00:20PM
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2534042-BLK1)							Prepared:	08/19/25 An	alyzed: 08/19/25
riesel Range Organics (C10-C28)	ND	25.0							
ril Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.4		50.0		96.9	61-141			
.CS (2534042-BS1)							Prepared:	08/19/25 An	alyzed: 08/19/25
riesel Range Organics (C10-C28)	245	25.0	250		98.1	66-144			
urrogate: n-Nonane	48.6		50.0		97.2	61-141			
Aatrix Spike (2534042-MS1)				Sourc	e: E50821	3-01	Prepared:	08/19/25 An	alyzed: 08/19/25
riesel Range Organics (C10-C28)	253	25.0	250	ND	101	56-156			
urrogate: n-Nonane	49.4		50.0		98.9	61-141			
Aatrix Spike Dup (2534042-MSD1)				Sourc	e: E50821	3-01	Prepared:	08/19/25 An	alyzed: 08/19/25
riesel Range Organics (C10-C28)	255	25.0	250	ND	102	56-156	0.892	20	
urrogate: n-Nonane	49.9		50.0		99.8	61-141			



Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		OMCAT 8 FE	DERAL#	001			Reported:
Artesia NM, 88210		Project Manager:		nna Byers					8/20/2025 4:00:20PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2533123-BLK1)							Prepared:	08/15/25	Analyzed: 08/15/25
Chloride	ND	20.0							
LCS (2533123-BS1)							Prepared:	08/15/25	Analyzed: 08/15/25
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2533123-MS1)				Sourc	e: E50816	5-02	Prepared:	08/15/25	Analyzed: 08/15/25
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2533123-MSD1)				Sourc	e: E50816	5-02	Prepared:	08/15/25	Analyzed: 08/15/25
Chloride	258	20.0	250	ND	103	80-120	1.29	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 8 FEDERAL #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	08/20/25 16:00

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.



#### **Chain of Custody**

Received by OCD: 9/8/2025 1:16:09 PM

Client Information Client: Devon Energy Production Company, LP					Invoice Information Company: Devon Energy Production Co.			2.0	Lab Use Only							TAT				Stat	e
								Lal	D-WO	08169			Job Number				1D 2D 3D St			CO UT	TX
Project: TOMCAT 8 FEDERAL #001					Address: 5315 Buena Vista Dr.			F	508	116	9	01058.000							X		
Project Manager: Anna Byers					City, State, Zip: Carlsbad, NM, 88220			30	MARKE	J, -		10.0	20	- SOUTH AT			SOLD ST	No. of the		T. Prising	
-			100	N/A	Phone: 575-885-7502							Ana	vsis	s and Method					E	PA Progr	am
Address: 13000 W County Rd 100 City, State, Zip_Odessa,TX, 79765					Email: jim.raley@dvn.com					T	T	T 1	75.5		1	T	T	T	SDWA	CWA	RCRA
Phone: 432-305-6415					Miscellaneous:WO:1061476201 - NM Permian Abandon;PN: 19305;IN: nKL1622549584							ΙI	- 1						001111		THE PARTY
Email: NMTXGeoGroup@etechenv.com												ΙI	- 1						Complian	Compliance Y or N	
Linaii. WWI Adeodroup@etechenv.com					Abandon), 14. 15505),14. 11KE1022545504				3015	3015	1		_	1	8				PWSID #		101 14
2000000000				Sample Info	mation				þ A	by i	3021	260	300.0	χ.	letal	≥	×				
Time				ounipio inio	Sample ID		Depth Num		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 -	RCRA 8 Metals	BGDOC - NM	BGDOC - TX		Sample	Remarks	marks
10:30	8/14/2025	S	1		SW02		0-4'	Numbe	nber a	5	100	5	0	2	8	X		_			
		3	1						-	-	_	$\vdash$	-	-	_	+^	-	_	4.1		
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				03/14/	202					T	1		7	+		+	+				
				0311						-			-	-	+	+		-			
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						Annual Market Control of the Control									$\perp$	1	_				
Addition	al Instructio	ns:								1									Car Serification		
77/840		e validity and	authenticity	of this sample. I am awa	re that tampering with o	r intentionally mislabeling	the sampl	e location,	, date o	r time o	of colle	ction is	consid	ered fra	aud and	may be	ground	is for le	gal action.		
	: Haleigh Blume	-\ 4		D-t-	Time	Dessived by (Signature	101		0	Tosto				Time			100		C		lI
Relinquished by: (Signature)				08/14/2025	025 1430 Received by: (Signature)				ec	81425				1430				Samples requiring preservation must be			
D-III-E	- d bandsin and	1	Λ		1930			Y	10	-			_	Time	10	<u> </u>	- 30	100000			
Relinquished by: (Signature) Date 7-142					Received by: (Signature)				2.4	8-14-25		5	1445				ice the day they are sampled or received packed on ice at a temp				
Dell's sectate	- J.L. (Classes)	- 0	10		Time			Just	2	_			_	Time		_	- 10	1	bove 0 bu		
man	ed by: (Signatur	ansa	les	8-14-25	1840	Received by: Signatur	io A	LUK	KO	Ç	3.1	4.2	5		184	6				quent da	
Dali Mariah	16.15	A #	110	0 1 2	Time	JHWWY	De la		WW.	_			_	Time			-	The state of			
THE ANNIEUR VUUSSU PAROLIU					75 Time 230 Regerved by: (STITATURE)				10	0	110	5.2	7	730			100		Lab Use Only		Annual Control
Relinquished by: (Signature)				Date	Time Received by: (Signature)					Date			~	Time	10 1e				Received on ice:		
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						re made. Hazardous san bility of the laboratory i								ine cité	ent exp	ense. I	ne rep	011 101	the analys	is of the at	ove

Printed: 8/15/2025 9:24:58AM

#### **Envirotech Analytical Laboratory**

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:	08/15/25 07	7:30	Work Order ID:	E508169
Phone:	(575) 748-0176	Date Logged In:	08/14/25 16	5:27	Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:	08/16/25 07	7:00 (0 day TAT)		
Chain of	Custody (COC)					
1. Does th	he sample ID match the COC?		Yes			
2. Does th	he number of samples per sampling site location ma	atch the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were a	Ill samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss		Yes		Comment	ts/Resolution
Sample T	Furn Around Time (TAT)				<u> </u>	
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (	<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
	, were custody/security seals intact?		NA			
•	ne sample received on ice?		Yes			
	Note: Thermal preservation is not required, if samples a 15 minutes of sampling					
	COC for individual sample temps. Samples outside	of 0-C-6-C will be	recorded in	comments.		
	Container		NT.			
	queous VOC samples present?		No			
	/OC samples collected in VOA Vials?		NA NA			
	head space less than 6-8 mm (pea sized or less)?		NA NA			
	a trip blank (TB) included for VOC analyses?	0	NA			
	on-VOC samples collected in the correct container		Yes			
	appropriate volume/weight or number of sample conta	iners collected?	Yes			
Field Lal		2 4				
	field sample labels filled out with the minimum intample ID?	ormation:	Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
Sample I	Preservation_					
21. Does	the COC or field labels indicate the samples were j	oreserved?	No			
22. Are s	ample(s) correctly preserved?		NA			
24. Is lab	filtration required and/or requested for dissolved n	netals?	No			
Multipha	ase Sample Matrix					
	the sample have more than one phase, i.e., multiph	ase?	No			
	s, does the COC specify which phase(s) is to be ana		NA			
	ract Laboratory					
	amples required to get sent to a subcontract laborat	ory9	No			
	a subcontract laboratory specified by the client and	•		Subcontract Lab: NA		
		ii so wiio.	1171	Subcontract Lab. IVA		
Chent II	<u>nstruction</u>					
1						
1						

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

1	anviratach
1	envirotech
	Analytical Laboratory

#### **Chain of Custody**

Received by OCD: 9/8/2025 1:16:09 PM

				All the second second second						1000									_	-				_
	Client Information Invoice Information Lab Use Only					TAT State																		
Client: D	evon Energy	Producti	on Compa	anv. LP	Company: Devon	Energy Production	Co.	la	b_WO	#		Job	Vuml	oer		10	2D	3D	Std	D	IM CO	UT	TX	Ī
Market Designation (See	TOMCAT 8 F	THE PERSON NAMED IN	The second secon		Address: 5315 Bu			F	500	110	9	Old				V				1	X			П
Comments of the second	Aanager: Ani				The second secon	rlsbad, NM, 88220				1,			20	-		)				660				
	13000 W Co		100		Phone: 575-885-7							Δna	lucis	and I	Meth	hod					EPA P	rogra	m	
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Control of the Contro	32-305-6415	The second second	705		Email: jim.raley@	1061476201 - NM Pe														JUVV	7 0	~~	HCHA	
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Email: N	MTXGeoGro	upwetec	nenv.com								PWSIE			OI IN										
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				Sample Infor	mation				- GR	PRO I	ny 80	V 82	de 3	900	3 Me		ž	X		ple	1		also.	ă
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		Depth	Lab Numbe	DRO/ORO	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005-	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample	Ü	Rem	irks	
10:30	8/14/2025	S	1		SW02		0-4'	1	(X)								X			4.1		an		
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Addition	al Instructio	ns:																						No.
	pler), attest to the : Haleigh Blume	e validity and	dauthenticity	of this sample. I am awar	re that tampering with or	intentionally mislabeling	the samp	le location,	, date or	time of	fcollec	tion is	consid	ered fra	aud an	nd may	be gr	rounds	for leg	al action	1.			
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Relinquish	ed by: (Signatur	re)		Date	Time	Received by: (Signatur	e)			Date				Time							0/1	١		
Sample Mar	trix: S - Soil, Sd - S	olid, Sg - Slu	dge, A - Aque	ous, O - Other	The second second		Contai	ner Type	e: g - gl	ass, p	- pol	y/pla	stic, a	g - an	nber	glass,	, V - \	VOA						33
					other arrangements ar	e made. Hazardous san													rt for	the ana	lysis of t	he abo	ve	

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







5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

Devon Energy - Carlsbad

Project Name: TOMCAT 8 FEDERAL #001

Work Order: E508168

Job Number: 01058-0007

Received: 8/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/18/25

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: 8/18/25

Anna Byers 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: TOMCAT 8 FEDERAL #001

Workorder: E508168

Date Received: 8/15/2025 7:30:00AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/15/2025 7:30:00AM, under the Project Name: TOMCAT 8 FEDERAL #001.

The analytical test results summarized in this report with the Project Name: TOMCAT 8 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 reguarding 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

Raina Schwanz

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rainaschwanz@envirotech-inc.com

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#### **Sample Summary**

_				
Γ	Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	Reported:
١	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported.
١	Artesia NM, 88210	Project Manager:	Anna Byers	08/18/25 14:06

Client Sample ID	Lab Sample ID M	<b>Iatrix</b>	Sampled	Received	Container
SW04 0-4'	E508168-01A	Soil	08/14/25	08/15/25	Glass Jar, 2 oz.



## **Sample Data**

Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	8/18/2025 2:06:16PM

## SW04 0-4'

		E508168-01				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2533121
Benzene	ND	0.0250	1	08/15/25	08/15/25	
Ethylbenzene	ND	0.0250	1	08/15/25	08/15/25	
Toluene	ND	0.0250	1	08/15/25	08/15/25	
o-Xylene	ND	0.0250	1	08/15/25	08/15/25	
p,m-Xylene	ND	0.0500	1	08/15/25	08/15/25	
Total Xylenes	ND	0.0250	1	08/15/25	08/15/25	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	08/15/25	08/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: BA		Batch: 2533121
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/25	08/15/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	08/15/25	08/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2533119
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/25	08/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/25	08/15/25	
Surrogate: n-Nonane		99.7 %	61-141	08/15/25	08/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2533123
Chloride	118	20.0	1	08/15/25	08/15/25	



Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:	01	OMCAT 8 FE 1058-0007 nna Byers	DERAL#0	001			<b>Reported:</b> 8/18/2025 2:06:16PM
7.7		Volatile O			21B				Analyst: BA
Analyte		Reporting	Spike	Source		Rec		RPD	
	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2533121-BLK1)							Prepared: 0	8/15/25	Analyzed: 08/15/25
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	8.11		8.00		101	70-130			
LCS (2533121-BS1)							Prepared: 0	8/15/25	Analyzed: 08/15/25
Benzene	5.54	0.0250	5.00		111	70-130			
Ethylbenzene	5.33	0.0250	5.00		107	70-130			
Toluene	5.47	0.0250	5.00		109	70-130			
o-Xylene	5.23	0.0250	5.00		105	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.7	70-130			
Matrix Spike (2533121-MS1)				Source:	E508172-	01	Prepared: 0	8/15/25	Analyzed: 08/15/25
Benzene	5.17	0.0250	5.00	ND	103	70-130			
Ethylbenzene	4.96	0.0250	5.00	ND	99.1	70-130			
Toluene	5.10	0.0250	5.00	ND	102	70-130			
o-Xylene	4.90	0.0250	5.00	ND	98.0	70-130			
p,m-Xylene	9.97	0.0500	10.0	ND	99.7	70-130			
Total Xylenes	14.9	0.0250	15.0	ND	99.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.10		8.00		101	70-130			
Matrix Spike Dup (2533121-MSD1)				Source:	E508172-	01	Prepared: 0	8/15/25	Analyzed: 08/15/25
Benzene	5.14	0.0250	5.00	ND	103	70-130	0.643	27	
Ethylbenzene	4.91	0.0250	5.00	ND	98.3	70-130	0.833	26	
Toluene	5.06	0.0250	5.00	ND	101	70-130	0.871	20	
o-Xylene	4.88	0.0250	5.00	ND	97.7	70-130	0.365	25	
p,m-Xylene	9.90	0.0500	10.0	ND	99.0	70-130	0.720	23	
Total Xylenes	14.8	0.0250	15.0	ND	98.5	70-130	0.603	26	
Surrogate: 4-Bromochlorobenzene-PID	8.02		8.00		100	70-130			



Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	-
Artesia NM, 88210	Project Manager:	Anna Byers	8/18/2025 2:06:16PM

Artesia NM, 88210		Project Manage	r: An	na Byers				8/	18/2025 2:06:16PM
	Non	halogenated	Organics l	y EPA 80	15D - GI	RO			Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2533121-BLK1)							Prepared: 0	8/15/25 Ana	lyzed: 08/15/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			
LCS (2533121-BS2)							Prepared: 0	8/15/25 Ana	lyzed: 08/18/25
Gasoline Range Organics (C6-C10)	54.8	20.0	50.0		110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.2	70-130			
Matrix Spike (2533121-MS2)				Source:	E508172-0	01	Prepared: 0	8/15/25 Ana	lyzed: 08/15/25
Gasoline Range Organics (C6-C10)	49.0	20.0	50.0	ND	98.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.6	70-130			
Matrix Spike Dup (2533121-MSD2)				Source:	E508172-0	01	Prepared: 0	8/15/25 Ana	lyzed: 08/15/25
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.0	70-130	1.08	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.3	70-130			



Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	8/18/2025 2:06:16PM

Artesia NM, 88210		Project Manage	r: Ar	nna Byers					8/18/2025 2:06:16PM
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2533119-BLK1)							Prepared: 0	8/15/25 Ar	nalyzed: 08/15/25
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.1		50.0		108	61-141			
LCS (2533119-BS1)							Prepared: 0	8/15/25 Ar	nalyzed: 08/15/25
Diesel Range Organics (C10-C28)	232	25.0	250		92.8	66-144			
Surrogate: n-Nonane	47.1		50.0		94.1	61-141			
Matrix Spike (2533119-MS1)				Source:	E508165-	02	Prepared: 0	8/15/25 Ar	nalyzed: 08/15/25
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	56-156			
Surrogate: n-Nonane	49.0		50.0		98.0	61-141			
Matrix Spike Dup (2533119-MSD1)				Source:	E508165-	02	Prepared: 0	8/15/25 Ar	nalyzed: 08/15/25
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.1	56-156	1.71	20	
Surrogate: n-Nonane	49.3		50.0		98.6	61-141			

Devon Energy - Carlsbad		Project Name:		OMCAT 8 FE	DERAL #0	001			Reported:
6488 7 Rivers Hwy Artesia NM, 88210		Project Number: Project Manager:		1058-0007 nna Byers					8/18/2025 2:06:16PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2533123-BLK1)							Prepared: 0	8/15/25 A	Analyzed: 08/15/25
Chloride	ND	20.0							
LCS (2533123-BS1)							Prepared: 0	8/15/25	Analyzed: 08/15/25
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2533123-MS1)				Source:	E508165-	)2	Prepared: 0	8/15/25 A	Analyzed: 08/15/25
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2533123-MSD1)				Source:	E508165-	)2	Prepared: 0	8/15/25	Analyzed: 08/15/25
Chloride	258	20.0	250	ND	103	80-120	1.29	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 8 FEDERAL #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	08/18/25 14:06

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.



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Ar	alytical Clie	nt Inforn	nation		Inv	ice Information				La	b Us	e Only				T	AT	
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	Manager: Ann : 13000 W Co		100		Phone: 575-885-	rlsbad, NM, 88220						Analy	cic ar	nd Ma	ethod			STATE OF THE
	ite, Zip_Odess				Email: jim.raley@			-	-	П		Allaly	313 (11	T		T	П	SDW
	432-305-6415		, 55			1061476201 - NM P	ermian											
Email: N	IMTXGeoGrou	up@etec	henv.con	n		;IN: nKL162254958			15	15								Comp
_									by 8015	by 80	121	9	) P	tals		_		PWSI
	1			Sample Info	rmation			Lab	ORO	DRO	by 80	oy 826	Chioride 300.	RCRA 8 Metals		C-NN	BGDOC - TX	Sample
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		Depth	Number	DRO/ORO	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	RCRA		BGDOC - NM	BGDO	San
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Additio	nal Instructio	ns:																
I, (field san	npler), attest to the	e validity and	d authenticit	y of this sample. I am awa	are that tampering with o	intentionally mislabeling	the samp	le location,	date or	time of	collec	tion is co	nsidere	d frauc	d and m	ay be g	grounds	for legal actio
The second secon	y: Haleigh Blume			Tax	-	In A sate flee 10	1 0		8	Insta			Tri-					
Relinquis	hed by: (Signatur	(e)		08/14/2025	1430	Received by (Signatu	e) Ge	mga	les	Vate.	14	25	1"	14	30			Sample
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0 87 6	hed by: (Signatur	, - 000		0. 1	Time	1 /11/1	LA	1811	10	Date	1	1.00		730 ne			4	Re

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#### **Envirotech Analytical Laboratory**

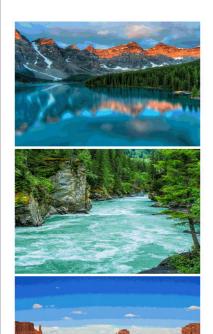
Sample Receipt Checklist (SRC)

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:	08/15/25 07	7:30	Work Order ID:	E508168
Phone:	(575) 748-0176	Date Logged In:	08/14/25 16	5:22	Logged In By:	Noe Soto
Email:	anna@etechenv.com	Due Date:	08/16/25 07	7:00 (0 day TAT)		
Chain of	Custody (COC)					
1. Does tl	he sample ID match the COC?		Yes			
2. Does tl	he number of samples per sampling site location ma	atch the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss		Yes		Comment	ts/Resolution
Sample T	Furn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (	<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
	, were custody/security seals intact?		NA			
•	se sample received on ice?					
	Note: Thermal preservation is not required, if samples a 15 minutes of sampling		Yes			
	OC for individual sample temps. Samples outside	of 0°C-6°C will be	recorded in	comments.		
	Container 1					
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct container		Yes			
19. Is the	appropriate volume/weight or number of sample conta	iners collected?	Yes			
Field Lal		_				
	field sample labels filled out with the minimum int	formation:	V			
	ample ID? Date/Time Collected?		Yes			
	follectors name?		Yes Yes			
	Preservation		103			
	the COC or field labels indicate the samples were	reserved?	No			
	ample(s) correctly preserved?		NA			
	filtration required and/or requested for dissolved n	netals?	No			
	ase Sample Matrix		110			
	the sample have more than one phase, i.e., multiph	959	NT-			
	, does the COC specify which phase(s) is to be ana		No			
		iyzeu:	NA			
	ract Laboratory					
	amples required to get sent to a subcontract laborat		No			
29. Was a	subcontract laboratory specified by the client and	if so who?	NA S	Subcontract Lab: NA		
Client II	<u>nstruction</u>					

Report to:
Anna Byers





5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

Devon Energy - Carlsbad

Project Name: TOMCAT 8 FEDERAL #001

Work Order: E508336

Job Number: 01058-0007

Received: 9/2/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/3/25

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: 9/3/25

Anna Byers 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: TOMCAT 8 FEDERAL #001

Workorder: E508336

Date Received: 9/2/2025 8:00:53AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/2/2025 8:00:53AM, under the Project Name: TOMCAT 8 FEDERAL #001.

The analytical test results summarized in this report with the Project Name: TOMCAT 8 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 reguarding 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

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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Client Representative

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Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com



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#### **Sample Summary**

			<del>-</del>	
	Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	Reported:
١	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported.
	Artesia NM, 88210	Project Manager:	Anna Byers	09/03/25 13:08

Client Sample ID	Lab Sample ID Ma	atrix	Sampled	Received	Container
BG01 0.5'	E508336-01A S	Soil	08/29/25	09/02/25	Glass Jar, 2 oz.



## **Sample Data**

Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	9/3/2025 1:08:16PM

#### BG01 0.5' E508336-01

		E300330-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: SL		Batch: 2536003
Benzene	ND	0.0250	1	09/02/25	09/02/25	
Ethylbenzene	ND	0.0250	1	09/02/25	09/02/25	
Toluene	ND	0.0250	1	09/02/25	09/02/25	
o-Xylene	ND	0.0250	1	09/02/25	09/02/25	
p,m-Xylene	ND	0.0500	1	09/02/25	09/02/25	
Total Xylenes	ND	0.0250	1	09/02/25	09/02/25	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	09/02/25	09/02/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2536003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/02/25	09/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	09/02/25	09/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: HM		Batch: 2536001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/02/25	09/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/02/25	09/02/25	
Surrogate: n-Nonane		94.0 %	61-141	09/02/25	09/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2536009
Chloride	150	20.0	1	09/02/25	09/02/25	



				ii y Duc					
Devon Energy - Carlsbad		Project Name:		OMCAT 8 FE	DERAL#	001			Reported:
6488 7 Rivers Hwy		Project Number:		1058-0007					
Artesia NM, 88210		Project Manager:	A	nna Byers					9/3/2025 1:08:16PM
		Volatile O	rganics l	by EPA 802	21B				Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2536003-BLK1)							Prepared: 0	9/02/25 <i>F</i>	Analyzed: 09/02/25
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	8.03		8.00		100	70-130			
LCS (2536003-BS1)							Prepared: 0	9/02/25 <i>A</i>	Analyzed: 09/02/25
Benzene	4.12	0.0250	5.00		82.4	70-130			
Ethylbenzene	4.10	0.0250	5.00		82.0	70-130			
Toluene	4.13	0.0250	5.00		82.7	70-130			
o-Xylene	4.22	0.0250	5.00		84.5	70-130			
p,m-Xylene	8.38	0.0500	10.0		83.8	70-130			
Total Xylenes	12.6	0.0250	15.0		84.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.81		8.00		97.6	70-130			
Matrix Spike (2536003-MS1)				Source:	E508335-	22	Prepared: 0	9/02/25 A	Analyzed: 09/02/25
Benzene	4.64	0.0250	5.00	ND	92.8	70-130			
Ethylbenzene	4.54	0.0250	5.00	ND	90.9	70-130			
Toluene	4.62	0.0250	5.00	ND	92.3	70-130			
o-Xylene	4.67	0.0250	5.00	ND	93.4	70-130			
p,m-Xylene	9.26	0.0500	10.0	ND	92.6	70-130			
Total Xylenes	13.9	0.0250	15.0	ND	92.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.6	70-130			
Matrix Spike Dup (2536003-MSD1)				Source:	E508335-	22	Prepared: 0	9/02/25 A	Analyzed: 09/02/25
Benzene	4.75	0.0250	5.00	ND	95.1	70-130	2.46	27	
Ethylbenzene	4.69	0.0250	5.00	ND	93.9	70-130	3.27	26	
Toluene	4.74	0.0250	5.00	ND	94.9	70-130	2.72	20	
o-Xylene	4.73	0.0250	5.00	ND	94.6	70-130	1.32	25	
p,m-Xylene	9.54	0.0500	10.0	ND	95.4	70-130	2.95	23	
Total Xylenes	14.3	0.0250	15.0	ND	95.1	70-130	2.41	26	
					,,,,	,0 150			



Surrogate: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/3/2025 1:08:16PM

Artesia NM, 88210		Project Manage	r: Aı	nna Byers				9/	3/2025 1:08:16PM
	Nor	halogenated	Organics	by EPA 80	15D - G	RO			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
Blank (2536003-BLK1)							Prepared: 0	9/02/25 Anal	yzed: 09/02/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.12		8.00		101	70-130			
LCS (2536003-BS2)							Prepared: 0	9/02/25 Anal	yzed: 09/02/25
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.98		8.00		99.7	70-130			
Matrix Spike (2536003-MS2)				Source:	E508335-	22	Prepared: 0	9/02/25 Anal	yzed: 09/02/25
Gasoline Range Organics (C6-C10)	46.7	20.0	50.0	ND	93.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.27		8.00		103	70-130			
Matrix Spike Dup (2536003-MSD2)				Source:	E508335-	22	Prepared: 0	9/02/25 Anal	yzed: 09/02/25
Gasoline Range Organics (C6-C10)	54.6	20.0	50.0	ND	109	70-130	15.7	20	

8.00

8.31

104

70-130

Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/3/2025 1:08:16PM

Artesia NM, 88210		Project Manage	r: Ar	nna Byers					9/3/2025 1:08:16PM
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: HM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2536001-BLK1)							Prepared: 0	9/02/25 Ar	nalyzed: 09/02/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.1		50.0		98.1	61-141			
LCS (2536001-BS1)							Prepared: 0	9/02/25 Ar	nalyzed: 09/02/25
Diesel Range Organics (C10-C28)	266	25.0	250		107	66-144			
Surrogate: n-Nonane	48.1		50.0		96.2	61-141			
Matrix Spike (2536001-MS1)				Source:	E508336-0	01	Prepared: 0	9/02/25 Ar	nalyzed: 09/02/25
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156			
Surrogate: n-Nonane	48.7		50.0		97.3	61-141			
Matrix Spike Dup (2536001-MSD1)				Source:	E508336-0	01	Prepared: 0	9/02/25 Ar	nalyzed: 09/02/25
Diesel Range Organics (C10-C28)	313	25.0	250	ND	125	56-156	16.0	20	
Surrogate: n-Nonane	58.4		50.0		117	61-141			



Devon Energy - Carlsbad		Project Name: Project Number:		OMCAT 8 FE	DERAL #0	001			Reported:				
6488 7 Rivers Hwy Artesia NM, 88210		Project Number: Project Manager:		Anna Byers					9/3/2025 1:08:16PM				
Anions by EPA 300.0/9056A Analyst: IY													
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit					
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes				
Blank (2536009-BLK1)							Prepared: 0	9/02/25	Analyzed: 09/02/25				
Chloride	ND	20.0											
LCS (2536009-BS1)							Prepared: 0	9/02/25	Analyzed: 09/02/25				
Chloride	257	20.0	250		103	90-110							
Matrix Spike (2536009-MS1)				Source:	E508337-0	)1	Prepared: 0	9/02/25	Analyzed: 09/02/25				
Chloride	371	20.0	250	125	98.3	80-120							
Matrix Spike Dup (2536009-MSD1)				Source:	E508337-0	)1	Prepared: 0	9/02/25	Analyzed: 09/02/25				
Chloride	377	20.0	250	125	101	80-120	1.62	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 8 FEDERAL #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	09/03/25 13:08

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.



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Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Depth	1000	ab nber	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	MGDOC - TX	Sample Temp	
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/																						
	pler), attest to the		d authenticit	y of this sample. I an	n aware t	hat tampering wi	th or intentionally misla	beling the samp	le loca	tion, d	late or	time o	f collec	tion is	consid	lered f	raud ar	nd may	y be gr	rounds for le	gal action.	
	: Haleigh Blume ed by: (Signatur	re) /	-	Date	Tir	ne	Reseived by: (Si	gnaturg)				Date				Time,	,				Samples re	equi
	-h	村村	0	08/29/2	5 Tir	16:00	Received by: (Si		30	les	L	Bate	-20	1-2	5	l'(	00	N		pres	servation r	nus
1.00	ed by: (Signatu		KRA	8-30-2	15	1230	Andr	ew N	Ш	55	0	8	. 30	5.0	5	Time	12	30	)	rec	eived pack	ed o
Relinquish	drew	$t^{\prime}Mu$	usso	B.30.2	5 Tir	1915	Received by: (Si	gnature)		, A	n-	Öğ.	2-	25	-	Time	0	)		а	bove 0 but subse	
Relinquish	ed by: (Signatu	re)		Date	Tir	ne #	Received by (S	Devis !	W	W		Date				Time					Lab	_
Relinquish	ed by: (Signatur	re)		Date	Tir	me	Received by: (Si	gnature)				Date			-	Time					Recei	yed Y)

envirotech Inc.

Printed: 9/2/2025 9:33:59AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

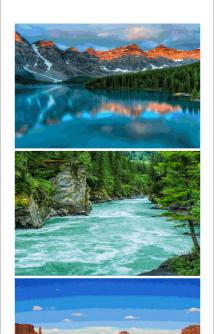
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	09/02/25	08:00	Work Order ID:	E508336
Phone:	(575) 748-0176	Date Logged In:	08/29/25	14:51	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	09/03/25	07:00 (0 day TAT)		
Chain of	Custody (COC)					
	he sample ID match the COC?		Yes			
	he number of samples per sampling site location ma	tch the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Courier		
	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss	•	Yes		<u>Comment</u>	ts/Resolution
Sample T	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (						
	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?					
	, were custody/security seals intact?		No			
			NA			
	ne sample received on ice?  Note: Thermal preservation is not required, if samples a  15 minutes of sampling		Yes	·		
	OC for individual sample temps. Samples outside of	of 0-C-6-C will be	recorded	in comments.		
	Container VOC 1 1 12		3.7			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?	0	NA 			
	on-VOC samples collected in the correct containers		Yes			
	appropriate volume/weight or number of sample contain	iners collected?	Yes			
Field Lal	<del></del>					
	field sample labels filled out with the minimum inf ample ID?	ormation:	Yes			
	ample 1D? Date/Time Collected?					
	collectors name?		Yes Yes			
Sample I	Preservation_		103			
_	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?		NA			
	filtration required and/or requested for dissolved m	etals?	No			
Multipha	ase Sample Matrix					
	the sample have more than one phase, i.e., multipha	ase?	No			
	, does the COC specify which phase(s) is to be anal		NA			
•		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	14/1			
	act Laboratory	0	NT.			
	amples required to get sent to a subcontract laborate a subcontract laboratory specified by the client and	•	No NA	Subcontract Lab: NA		
Client I	<u>nstruction</u>					
						_

Date

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

Report to:
Anna Byers





5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

## **Analytical Report**

Devon Energy - Carlsbad

Project Name: TOMCAT 8 FEDERAL #001

Work Order: E508337

Job Number: 01058-0007

Received: 9/2/2025

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/3/25

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: 9/3/25

Anna Byers 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: TOMCAT 8 FEDERAL #001

Workorder: E508337

Date Received: 9/2/2025 8:00:53AM

Anna Byers,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/2/2025 8:00:53AM, under the Project Name: TOMCAT 8 FEDERAL #001.

The analytical test results summarized in this report with the Project Name: TOMCAT 8 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 reguarding 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

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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Cell: 505-947-8222

mgonzales@envirotech-inc.com

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#### **Sample Summary**

_			<u> </u>	
ı	Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	Reported:
ı	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported.
l	Artesia NM, 88210	Project Manager:	Anna Byers	09/03/25 13:09

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
STKP01	E508337-01A Soil	08/29/25	09/02/25	Glass Jar, 2 oz.
STKP02	E508337-02A Soil	08/29/25	09/02/25	Glass Jar, 2 oz.



## **Sample Data**

Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	9/3/2025 1:09:17PM

#### STKP01 E508337-01

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2536003
Benzene	ND	0.0250	1	09/02/25	09/02/25	
Ethylbenzene	ND	0.0250	1	09/02/25	09/02/25	
Toluene	ND	0.0250	1	09/02/25	09/02/25	
o-Xylene	ND	0.0250	1	09/02/25	09/02/25	
p,m-Xylene	ND	0.0500	1	09/02/25	09/02/25	
Total Xylenes	ND	0.0250	1	09/02/25	09/02/25	
Surrogate: 4-Bromochlorobenzene-PID		99.2 %	70-130	09/02/25	09/02/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2536003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/02/25	09/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %	70-130	09/02/25	09/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: HM		Batch: 2536001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/02/25	09/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/02/25	09/02/25	
Surrogate: n-Nonane		96.6 %	61-141	09/02/25	09/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: IY		Batch: 2536009
Chloride	125	20.0	1	09/02/25	09/02/25	

## **Sample Data**

Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	9/3/2025 1:09:17PM

#### STKP02

		E508337-02				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2536003
Benzene	ND	0.0250	1	09/02/25	09/02/25	
Ethylbenzene	ND	0.0250	1	09/02/25	09/02/25	
Toluene	ND	0.0250	1	09/02/25	09/02/25	
o-Xylene	ND	0.0250	1	09/02/25	09/02/25	
p,m-Xylene	ND	0.0500	1	09/02/25	09/02/25	
Total Xylenes	ND	0.0250	1	09/02/25	09/02/25	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	09/02/25	09/02/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2536003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/02/25	09/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %	70-130	09/02/25	09/02/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: HM		Batch: 2536001
Diesel Range Organics (C10-C28)	ND	25.0	1	09/02/25	09/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/02/25	09/02/25	
Surrogate: n-Nonane		92.7 %	61-141	09/02/25	09/02/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: IY		Batch: 2536009
Chloride	127	20.0	1	09/02/25	09/02/25	·



Devon Energy - Carlsbad TOMCAT 8 FEDERAL #001 Project Name: Reported: 6488 7 Rivers Hwy Project Number: 01058-0007 Artesia NM, 88210 Project Manager: Anna Byers 9/3/2025 1:09:17PM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2536003-BLK1) Prepared: 09/02/25 Analyzed: 09/02/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 8.03 8.00 100 70-130 LCS (2536003-BS1) Prepared: 09/02/25 Analyzed: 09/02/25 4.12 5.00 82.4 70-130 Benzene 0.0250 Ethylbenzene 4.10 0.0250 5.00 82.0 70-130 4.13 0.0250 5.00 82.7 70-130 Toluene 84.5 o-Xylene 4.22 0.0250 5.00 70-130 8.38 10.0 83.8 70-130 0.0500 p.m-Xvlene 84.0 12.6 15.0 70-130 Total Xylenes 0.0250 8.00 97.6 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.81 Matrix Spike (2536003-MS1) Source: E508335-22 Prepared: 09/02/25 Analyzed: 09/02/25 4.64 0.0250 5.00 ND 70-130 Benzene ND 70-130 Ethylbenzene 4.54 0.0250 5.00 90.9 Toluene 4.62 0.0250 5.00 ND 92.3 70-130 4.67 ND 93.4 70-130 5.00 0.0250 o-Xylene p,m-Xylene 9.26 0.0500 10.0 ND 92.6 70-130 0.0250 15.0 ND 70-130 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.97 8.00 Matrix Spike Dup (2536003-MSD1) Source: E508335-22 Prepared: 09/02/25 Analyzed: 09/02/25 4.75 0.0250 5.00 ND 70-130 2.46 27 70-130 3.27 4.69 0.0250 5.00 ND 93.9 26 Ethylbenzene Toluene 4 74 0.0250 5.00 ND 94 9 70-130 2.72 20 4.73 5.00 ND 94.6 70-130 1.32 25 o-Xylene 0.0250 2.95 23 9.54 10.0 ND 95.4 70-130 p,m-Xylene 0.0500 Total Xylenes 14.3 0.0250 15.0 ND 95.1 70-130 2.41 26

8.00

98.4

70-130



Surrogate: 4-Bromochlorobenzene-PID

7.87

Surrogate: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/3/2025 1:09:17PM

Artesia NM, 88210		Project Manage		nna Byers					9/3/2025 1:09:17PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			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
Blank (2536003-BLK1)							Prepared: 0	9/02/25 An	alyzed: 09/02/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.12		8.00		101	70-130			
LCS (2536003-BS2)							Prepared: 0	9/02/25 An	alyzed: 09/02/25
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.98		8.00		99.7	70-130			
Matrix Spike (2536003-MS2)				Source:	E508335-	22	Prepared: 0	9/02/25 An	alyzed: 09/02/25
Gasoline Range Organics (C6-C10)	46.7	20.0	50.0	ND	93.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.27		8.00		103	70-130			
Matrix Spike Dup (2536003-MSD2)				Source:	E508335-	22	Prepared: 0	9/02/25 An	alyzed: 09/02/25
Gasoline Range Organics (C6-C10)	54.6	20.0	50.0	ND	109	70-130	15.7	20	

8.00

8.31

104

70-130

Devon Energy - Carlsbad	Project Name:	TOMCAT 8 FEDERAL #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Anna Byers	9/3/2025 1:09:17PM

Artesia NM, 88210		Project Manage	r: Ar	nna Byers					9/3/2025 1:09:17PM	
	Nonhalogenated Organics by EPA 8015D - DRO/ORO							Analyst: HM		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2536001-BLK1)							Prepared: 0	9/02/25 An	alyzed: 09/02/25	
Diesel Range Organics (C10-C28)	ND	25.0								
Dil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	49.1		50.0		98.1	61-141				
LCS (2536001-BS1)							Prepared: 0	9/02/25 An	alyzed: 09/02/25	
Diesel Range Organics (C10-C28)	266	25.0	250		107	66-144				
Surrogate: n-Nonane	48.1		50.0		96.2	61-141				
Matrix Spike (2536001-MS1)				Source:	E508336-0	01	Prepared: 0	9/02/25 An	alyzed: 09/02/25	
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156				
Surrogate: n-Nonane	48.7		50.0		97.3	61-141				
Matrix Spike Dup (2536001-MSD1)				Source:	E508336-0	01	Prepared: 0	9/02/25 An	alyzed: 09/02/25	
Diesel Range Organics (C10-C28)	313	25.0	250	ND	125	56-156	16.0	20		
Surrogate: n-Nonane	58.4		50.0		117	61-141				



Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		OMCAT 8 FE	DERAL #0	001			Reported:
Artesia NM, 88210		Project Number: Project Manager:		nna Byers					9/3/2025 1:09:17PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	4				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2536009-BLK1)							Prepared: 0	9/02/25 A	analyzed: 09/02/25
Chloride	ND	20.0							
LCS (2536009-BS1)							Prepared: 0	9/02/25 A	analyzed: 09/02/25
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2536009-MS1)				Source:	E508337-0	)1	Prepared: 0	9/02/25 A	analyzed: 09/02/25
Chloride	371	20.0	250	125	98.3	80-120			
Matrix Spike Dup (2536009-MSD1)				Source:	E508337-0	)1	Prepared: 0	9/02/25 A	analyzed: 09/02/25
Chloride	377	20.0	250	125	101	80-120	1.62	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 8 FEDERAL #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Anna Byers	09/03/25 13:09

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.



Received by OCD: 9/8/2025 1:16:09 PM



	Clie	nt Inform	mation		Invoice Information				Will strain an extend beginning the property of the strain					TA	TAT State							
Client: D	evon Energy	Product	ion Comp	any, LP	Company: Dev	on Energy Production	ı Co.	La	b WO	WO# 3			Job Number			1D	2D	3D Sto		NM	CO UT	TX
Project:	TOMCAT 8 F	EDERAL	#001		Address: 5315	Buena Vista Dr.		E	508537 61058.004 X					100	X							
Project i	Manager: An	na Byers	Y		City, State, Zip	: Carlsbad, NM, 8822	0				anch.				SEAN!	Tilber 3	Ne.					PET C.
Address	13000 W Cd	ounty Rd	100		Phone: 575-88	35-7502						Ana	lysis	and I	Meth	nod				EP	A Progra	am
City, Sta	e, Zip_Odes	sa,TX, 79	765		Email: jim.rale	v@dvn.com				T	I				$\neg \top$				SD	WA	CWA	RCRA
Phone: 4	32-305-6415	5			The state of the s	VO:1061476201 - NM I	Permian			1						- 1						
Email: N	MTXGeoGro	up@etec	chenv.con	n	Abandon;PN: 19	9305;IN: nKL162254958	34		10	10									Com	plian	e Y	or N
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				Sample I	nformation				O by	O by	802	3260	300	5 - TX	Meta		Σ	×	e	0		
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		Depth	Lab Numbe	DRO/ORO	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005	RCRA 8 Metals		BGDOC - NM	BGDOC - TX	Samp	Temp	Ren	narks
9:30	8/29/2025	S	1		STKP01			1		Ť							Х		4.	7		
9:40	8/29/2025	S	1		STKP02			2		T							Х		1199	.9		-
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Addition	l al Instructio	ns:						ASSISTEN		1							1			18.00		
		e validity an	d authenticit	y of this sample. I am	aware that tampering wi	th or intentionally mislabeling	the samp	ole location,	date or	time o	f colle	ction is	consid	ered fr	aud an	nd may	/ be gr	ounds for l	gal act	ion.		
	: Haleigh Blume																					
	ed by: (Signatur	7		08/23/2	5 16:00	Received by: (Signatum Marissa	ire)	nzali	es	Sate	-2	9.	25	Time	60	00		pre			quiring th nust be re	ermal ceived on
Reimmuish	ed by: (Signatur	eny	rles	8-30-2	5 1230	Received by: (Signature)	ure)	Aux	Ko.	Dago	.3	0.2	25	Time	17	23	0	1270.00			ey are sar ed on ice	mpled or at a temp
Relinduish	drew	$^{e)}Mu$	isso	B.30.2	5 Time /915	RECEIVED AS AS	47	lav	3	9	7:	7.5	-	Time	0	0					less than	
Relinquish	ed by: (Signatur	re)		Date	Time	Received by: (Signatu	ire)			Date	6			Time						Lab	Use Only	
																			F		ed on ic	
Relinquish	ed by: (Signatur	re)		Date	Time	Received by: (Signati	ıre)			Date	3			Time							N	
Sample Ma	trix: <b>S</b> - Soil, <b>Sd</b> - S	olid, Sg - Slu	idge, A - Aque	eous, O - Other			Conta	iner Type	: g - gl	ass, p	- po	y/pla	stic, a	g - an	nber g	glass	, v - \	/OA				
Note: Sam	ples are discard	ded 14 day	s after resul	ts are reported un	ess other arrangement	s are made. Hazardous sa													r the a	nalysis	of the abo	ove

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.

Printed: 9/2/2025 9:35:39AM

#### **Envirotech Analytical Laboratory**

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:	09/02/25	08:00	Work Order ID:	E508337
Phone:	(575) 748-0176	Date Logged In:	08/29/25	14:55	Logged In By:	Caitlin Mars
Email:	anna@etechenv.com	Due Date:	09/03/25	07:00 (0 day TAT)		
Chain of	Custody (COC)					
	he sample ID match the COC?		Yes			
2. Does t	he number of samples per sampling site location ma	tch the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Couier		
4. Was th	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were a	all samples received within holding time?	m tha fiald	Yes			
	Note: Analysis, such as pH which should be conducted it.e, 15 minute hold time, are not included in this disucss				Comment	ts/Resolution
Sample '	Furn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (						
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
	s, were custody/security seals intact?		NA			
<del>-</del>	ne sample received on ice?		Yes			
12. ************************************	Note: Thermal preservation is not required, if samples a	re received within	105			
	15 minutes of sampling					
13. See C	COC for individual sample temps. Samples outside of	of 0°C-6°C will be	recorded	in comments.		
Sample (	<u>Container</u>					
14. Are a	queous VOC samples present?		No			
15. Are V	OC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	a trip blank (TB) included for VOC analyses?		NA			
18. Are r	on-VOC samples collected in the correct containers	i?	Yes			
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes			
Field La	<u>bel</u>					
	field sample labels filled out with the minimum inf	ormation:	**			
	sample ID? Date/Time Collected?		Yes			
	Collectors name?		Yes Yes			
	Preservation		168			
	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?		NA			
	filtration required and/or requested for dissolved m	etals?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multipha	ise?	No			
	s, does the COC specify which phase(s) is to be anal		NA			
	ract Laboratory	•				
	amples required to get sent to a subcontract laborate	uru?	No			
	a subcontract laboratory specified by the client and it	-	NA	Subcontract Lab: NA		
		1 50 WHO.	1411	Subcontract Lab. 14A		
Client I	<u>nstruction</u>					

Date

### **APPENDIX F**

BLM Seed Mixture 2, for LPC Sand/Shinnery Sites

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 <u>no</u> 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

<sup>\*</sup>Pounds of pure live seed:

Pounds of seed **x** percent purity **x** percent germination = pounds pure live seed

### **APPENDIX G**

Holdall® Soil Test Kit Manual

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





40 TESTS
DIRECTIONS INSIDE

### SOIL TEST KIT



**Plants & Flowers** 

**Grasses & Lawns** 

Fruits & Veggies

Trees & Shrubs

757860

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### SOIL TEST KIT

**Tests Your Soil for a Healthy Garden** 

• pH • Nitrogen(N) • Phosphorus(P) • Potassium(K) •

### PREPARING YOUR SUIL 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.



pH 7.5 - Alkaline

pH 7.0 - Neutral

pH 6.5 - Slight A

pH 6.0 - Acid

pH 5.5 - Acid

pH 5.0 - Very Acid

pH 4.5 - Very Acid

#### **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 course 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	+0.5 unit (0.5 pH)	2.5	2.5	2.5
Limestone	+1.0 unit (1.0 pH)	5.0	5.0	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
Aluminum 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	Very							
Nitrogen Fertilizers (%N)	Low	Low	Medium	High					
Dried Blood (11%)	36	19	6	N/A					
Nitrate of Soda (16%)	27	14	3	N/A					
Phosphate Fertilizers (%P)									
Bone Meal (19%)	27	14	6	N/A					
Triple Superphosphate (46%)	10.25	5.25-5.5	2.25	N/A					
Potash Fertilizers (%K)									
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

	myn			
	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	

High

The recommendations are based on the following fertilizers sources: Nitrate of Soda (16% N), Triple Superphosphate (46% P205) and Muriate of Potassium (60% K20). 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

Vory Low

eruizer type	very Low	LOW
24-4-4	4.0 lbs.	2.0 lbs.
24-3-4	3.1 lbs.	1.55 lbs.
30-4-4	3.0 lbs.	1.5 lbs.
	Medium	High
24-4-4	1.0 lbs.	N/A
24-3-4	.77 lbs.	N/A
30-4-4		2000
00 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**

Fortilzer Type

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

APPEL 91 0 - 50	Decorat	ave riant r	iccessories							
APPLICATION   0.0-66   SACE   10.0-65   CORPITA   6.7-75   CORPITA		pН			100000000000000000000000000000000000000			The second secon		
APRICATION 6 0-19 BALLOT 85-79 GERMANIM 60-80 ARPERIAL 60-80 LUREE 67-75 GERMANIM 60-75 ALBERTA 60-75 LUREE 67-75 LUREE 67-75 GERMANIM 60-75 ALBERTA 60-75 LUREE 67-75 LUR		E 0 . C E								T0 T
ACCIDAGE 19 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2										
BANADA   0 - 1										
BALONEERINY   0.0 1.0   SPEANMANT   0.0 1.7										
BLEEFRY   0-1-06   SPINCH   0-1-50   CORPULES   5-0-60   AZAR   CONTROL   0-1-50   CONT										
CAMPAILOR   65-75   SPECE   59-70   CAMPAILOR   55-65   CAMPAILOR   55-65   CAMPAILOR   55-70   CAMPAILO										
Design										
CAMPAINERS   0.5   0.5   TOMATO   0.5   7.5										
Description   Company										
Red   5.7										
Winsh   0.0										
COMPAYER   0.7   ACADAM MATER   0.7   ACADAM MATE	White	6.0 - 8.0	HOUSE and GREENHOUS	E PLANTS	HIBISCUS PLANT	6.0 - 8.0	BROOM	5.0 - 6.0	MAHONIA	6.0 - 7.0
GAMPHUME   G.7.5   ACCIMINED   G.7.5   ACCIM	DAMSON	6.0 - 7.5	ABUTILON	5.5 - 6.5	HOYA	5.0 - 6.5	BUDDLEIA	6.0 - 7.0	MARIGOLD	5.5 - 7.0
MARCENIUT   0.7-72   APRICANYOLET   0.9-70   ALCARMON   0.9-75   OALEROUAL   0.9-75   OALER	GOOSEBERRY	5.0 - 6.5	ACORUS	5.0 - 6.5	IMPATIENS	5.5 - 6.5	BUPHTHALUM	6.0 - 8.0	MOLINIA	4.0 - 5.0
MACHINE   60-75	GRAPEVINE	6.0 - 7.0	AECHMEA	5.0 - 5.5	IVY TREE	6.0 - 7.0	BUTTERFLY BUSH	4.0 - 6.0	MORAEA	5.5 - 6.5
Incompanies   1.5	GRAPEFRUIT	6.0 - 7.5	AFRICAN VIOLET	6.0 - 7.0	JACARANDA	6.0 - 7.5	CALENDULA	5.5 - 7.0	MORNING GLORY	6.0 - 7.5
MAINGO			AGLAONEMA		JAPANESE SEDGE	6.0 - 8.0	CAMASSIA		MOSS	
LEMON   6.7.7   APPLEANDRA   50.40   JESSAMONE   50.60   CAUTERBRIVE SEC.   60.75   CAUTERBRIVE SEC.										
NAMES   1.0										
MANDO 5 0.0 ASPARAGUS FERN C. 9.0 KNOARDO THORN C. 9.0 S. CARNATON C. 9.7.5 NOTTHAN S. 5.6.5 MELON C. 9.1.5 S. 6.5 APPARISHRY C. 9.5 S. 6 APPARISHRY C. 9										
MELENN										
MUSCHARMS   60-75   AZAELA   45-60   LANTAMA   55-70   CELOSIA   60-70   PAECNIA   60-75										
MECTARNINE   60-75   BARYS TEARS   60-75   LAURUS (BAY TREE)   50-60   CENTALIMEN   50-65   PARISY TEARS   50-60   CENTALIMEN   50-70   PARISON (CORREST										
PACH   60.75   BARY'S TEARS   50.60   LEMON PLANT   60.75   CREATIUM   60.70   PASSION FLOWER   50.60   PACH   FOR PACH   50.60   PACH   50										
PEAR										
PINEAPPER   5060   BIRDO FEARADISE   50.65   MIND YOUR OWN BUSINESS   C055   CISSUS   60.75   PALACOWNA   50.60   CISTUS   COSTON										
PLUM										
POMERSMANTE   5.6.5   BLACK-EVED SUSAN   5.7.5   MYRTLE   6.0.8   CLARRIA   6.0.6   CLARRIA   6.0.7.5   PRIVINIA   6.0.7.5   RASPERRY   5.0.7.5   SUDILERIANS   5.0.7.5   SUDILERIANS   5.0.7.5   SUDILERIANS   6.0.7.5   SU										
SAPPEREYS   50.75   BLOOD LEAF   55.65   NEVER REVER PLANT   50.60   CLIANTHUS   60.75   PETUNIA   60.75   RAPPEREYS   50.75   BOYLANDHULEA   50.75   BOYLANDH										
RASPERRY   50-75   BOTTLEBRUSH   60-75   NOCODEMA (NOCON CAND)   60-80   CLEMATE   55-70   PRINS   60-75   NOTICULES (ALTER) PRINS   60-75   CLEMATE   50-75   CLEMATE   50-										
BHUBBARS   5.7-76   BOUGAMULEA   55.75   NORPOCKISIANDPINE   50.60   OCICHICUM   5.6-65   POLYOGNIM   60.75										
STAMPSERRY   5.0 - 7.5   BOXNOCOD   6.0 - 7.5   COLLABERS   6.0 - 7.5   COLLABINE   6.0 - 7.5   CORRIDO   6.0 - 7.5   CORR										
VEGERALES NO HERBS   BROMELADS   50.75   VEGERALES AND HERBS   BUTTERFLY FLOWER   60.75   ORCHID   45.55   CORROS   50.60   PORTULACA   55.75   AATTICHORY   63.75   CACITUM   45.60   OXALIS   60.80   CORROWALLA   65.75   PRIMISES   55.65   BEAN   60.75   CALLADUM   60.70   PADIDANIS   50.60   CORROS   60.80   PRIMISES   55.65   BEAN   60.75   CALLADUM   60.70   PADIDANIS   50.60   CORROS   60.80   PRIMISES   55.65   BERTROOT   60.75   CALLADUM   45.55   PRIMISES   60.70   PRIMISES   60.75   BERTROOT   60.75   CAMPAULA   45.55   PRIMISES   60.75   PRIMISES   60.75   BERTROOT   60.75   CAMPAULA   45.55   PRIMISES   60.80   PRIMISES   60.80   PRIMISES   60.75   CABBAGE   60.75   CAMPAULA   45.55   PRIMISES   60.80   PRIMISES   60.80   PRIMISES   60.75   CABBAGE   60.75   CASTON   FRIMISES   60.80   PRIMISES   60.80   PRIMISES   60.75   CARROT   60.75   CASTON   FRIMISES   60.80   PRIMISES   60.75   CASTON   FRIMISES   60.75   CARROT   60.75   CASTON   FRIMISES   FRI										
ATTICHORE 65-7-5 (ACTI 45-60 OXALIS 60-80 CORCINILA 65-75 ASPARAGUIS 60-80 CORTULACA 65-7-5 ASPARAGUIS 60-80 CALCALARIA 60-7-5 ASPARAGUIS 60-80 CALCACARIA 60-7-5 ASPARAGUIS 60-80 CARCACARIA 60-7-5 ASPARAGUIS 60-7-5 ASPARAGUI										
AFFICIONICE   65-75										
ASPARAGUS   60 - 8.0   CALCALOLARIA   60 - 7.0   PALMS   60 - 7.5   CORYDALIS   60 - 8.0   PRINULA   60 - 7.5     BASIL   5.5 - 6.5   CALADIUM   5.0 - 6.0   PALMORIS   5.0 - 6.0   CORDONALIS   5.0 - 6.0   CORDONALIS   5.0 - 6.0     BASIL   5.5 - 6.5   CALADIUM   5.0 - 6.0   PALMORIS   5.0 - 6.0   CORDONALIS   5.0 - 6.0     BASIL   5.5 - 6.5   CALADIUM   5.0 - 6.0   PALMORIS   5.0 - 6.0   CORDONALIS   5.0 - 6.0     BASIL   5.5 - 6.5   CALADIUM   5.0 - 6.0   PALMORIS   5.0 - 6.0   CORDONALIS   5.0 - 6.0     BASIL   5.5 - 6.5   CALADIUM   5.0 - 6.5   PALMORIS   5.0 - 6.0   CORDONALIS   5.0 - 6.0     BASIL   5.5 - 6.5   CALADIUM   5.0 - 6.5   PALMORIS   5.0 - 6.0     BASIL   5.5 - 6.5   CALADIUM   5.0 - 6.5   PALMORIS   5.0 - 6.0     BASIL   5.5 - 6.5   CARDINAL FLOWER   5.0 - 6.0   PALMORIS   5.0 - 6.0     BASIL   5.5 - 6.5   CARDINAL FLOWER   5.0 - 6.0   PALMORIS   5.0 - 6.0     CALADREGE   6.5 - 7.5   CARDINAL FLOWER   5.0 - 6.0   PALMORIS   5.0 - 6.0     CALADREGE   6.5 - 7.5   CARDINAL FLOWER   5.0 - 6.0   PALMORIS   5.0 - 6.0     CALADREGE   6.5 - 7.5   CARDINAL FLOWER   5.0 - 6.0   PALMORIS   5.0 - 6.0     CALADREGE   6.5 - 7.5   CARDINAL FLOWER   5.0 - 6.0   PALMORIS   5.0 - 6.0     CALADREGE   6.5 - 7.5   CARDINAL FLOWER   5.0 - 6.0   PALMORIS   5.0 - 6.0     CALADREGE   6.5 - 7.5   CARDINAL FLOWER   5.0 - 6.0   PALMORIS   5.0 - 6.0     CALADREGE   6.5 - 7.5   CARDINAL FLOWER   5.0 - 6.0   PALMORIS   5.0 - 6.0     CALADREGE   6.5 - 7.5   CARDINAL FLOWER   5.0 - 6.0   PALMORIS   5.0 - 6.0     CALADREGE   6.5 - 7.5   CARDINAL FLOWER   5.0 - 6.0   PALMORIS   5.0 - 6.0     CALADREGE   6.5 - 7.5   CARDINAL FLOWER   5.0 - 6.0   PALMORIS   5.0 - 6.0     CALADREGE   6.5 - 7.5   CARDINAL FLOWER   5.0 - 6.0   PALMORIS   5.0 - 6.0     CALADREGU   6.0 - 7.5   CARDINAL FLOWER   5.0 - 6.0   PALMORIS   5.0 - 6.0     CALADREGU   6.0 - 7.0   CARDINAL FLOWER   5.0 - 6.0   PALMORIS   5.0 - 6.0     CALADREGU   6.0 - 7.0   CARDINAL FLOWER   5.0 - 6.0   PALMORIS   5.0 - 6.0     CALADREGU   6.0 - 7.0   CARDINAL FLOWER   5.0 -										
BASIL   55 - 65   CALADIUM   50 - 60   PAIDANUS   50 - 60   COSMOS   50 - 80   PRIVET   50 - 75										
Retire   Broad French   Best		5.5 - 6.5		5.0 - 6.0						
BETROOT   60.75   CAMPAULA   55.65   PEPEROMIA   50.60   CROCUS   60.76   PRINCIPATION   60.75										
BETROOT   6.0-7.5   CAMPAULA   5.5-6.5   PEPEROMIA   5.0-6.0   CROCUS   6.0-8.0   PINETHRUM   6.0-7.5   BRUSSELS SPROUTS   6.0-7.5   CARDINAL FLOWER   5.0-6.0   PILEA   6.0-6.0   DAFFOLIL   6.0-6.5   RHODOCENDREN   4.5-6.0   CABBACE   6.0-7.5	(Runner, Broad, French)		CAMELIA	4.5 - 5.5		5.0 - 6.0		6.0 - 7.5	PRUNUS	6.5 - 7.5
RUSSELS SPROUTS   60-75		6.0 - 7.5	CAMPANULA	5.5 - 6.5	PEPEROMIA	5.0 - 6.0	CROCUS	6.0 - 8.0	PYRETHRUM	6.0 - 7.5
CABBRGE   60.75   CASTOR OIL PLANT   50.65   PLUMBAGO   55.65   DANLIA   60.75   ROSES:	BROCCOLI	6.0 - 7.0	CAPSICUM	5.0 - 6.5	PHILODENDRON	5.0 - 6.0	CYNOGLOSSUM	6.0 - 7.5	RED HOT POKER	6.0 - 7.5
CARROT   55.75   CANTURY PLANT   50.65   PODACARPUS   50.65   DAY LILY   60.80   HYBRID TEA   55.70   CAULELOWER   55.75   CHIMESE PRIMROSE   60.75   POLYSCIAS   60.75   DELPHINUM   60.75   CAULELOWER   60.70   CHIRST PRIMROSE   60.75   POLYSCIAS   60.75   DELPHINUM   60.75   RAMBLING   55.70   CHICKEY   60.70   CHIRSTRA CACTUS   50.65   POTHOS   50.60   DOMODO   50.70   SALVIA   60.75   CHICKEY   60.75   CHIRSTRA CACTUS   50.65   POTHOS   50.60   DOMODO   50.70   SALVIA   60.75   CHIRST CABRAGE   60.75   CLEROCHORUM   55.65   SANSERIERIA   45.70   ELAEANUS   50.75   SEDUM   60.75   CHIRST CABRAGE   60.75   CLEROCHORUM   50.60   SANSERIERIA   45.70   ELAEANUS   50.75   SEDUM   60.75   CHIRST CABRAGE   60.70   COCKSCOMB   60.70   SANSERIERIA   45.70   ELAEANUS   50.60   SNOWROP   60.80   CHIRST CABRAGE   60.70   COCKSCOMB   60.70   SNOWROP   60.80   CHIRST CABRAGE   60.70   CHIRST CABRAGE   60.70   COCKSCOMB   60.70   SNOWROP   60.80   CHIRST CABRAGE   60.70   CHIRST CABRAGE   60.70   CHIRST CABRAGE   60.70   COCKSCOMB   60.70   CHIRST CABRAGE   60.70	BRUSSELS SPROUTS	6.0 - 7.5	CARDINAL FLOWER	5.0 - 6.0	PILEA	6.0 - 8.0	DAFFODIL	6.0 - 6.5	RHODODENDREN	4.5 - 6.0
CAULPICOVER   55-75   CHINESE EVERGREEN   50-60   POINTSETTIA   60-75   DELIPHINUM   60-75   SAMBILING   60-75   CELERY   60-75   CHINEST PRINROSE   60-75   DELIPHINUM   60-75   SAMBILING   60-75   CELERY   60-76   CHIRSTMAS CACTUS   50-65   POTHOS   50-60   DIANTHUS   60-75   SAMBILING   60-75   CHINEST SERVING   60-75   CHIRSTMAS CACTUS   50-60   POTHOS   50-60   DOGWOOD   50-70   SCABIOSA   60-75   CHIRSTMAS CACTUS   50-60   POTHOS   50-60   DOGWOOD   50-70   SCABIOSA   60-75   CHIRSTMAS CACTUS   50-70   CHIRSTMAS CACTUS	CABBAGE	6.0 - 7.5	CASTOR OIL PLANT	5.5 - 6.5	PLUMBAGO	5.5 - 6.5	DAHLIA	6.0 - 7.5	ROSES:	
CALIFLOWER   60.75   CHINESE FRINKOSE   60.75   POLYSCIAS   60.75   DEUTZIA   60.75   SALVIA   60.75   CHIORY   60.76   CHIRSTRA CACTUS   50.65   POTHOS   50.60   DOGWOOD   50.76   SALVIA   60.75   CHIORY   50.60   DOGWOOD   50.70   SALVIA   60.75   CHIORS   60.60   DOGWOOD   50.70   SALVIA   60.75   CHIORS   60.75   CLEROPHORUM   55.65   SANSERIERIA   45.70   ELAEANUS   50.75   SEDUM   60.75   CHIORS   60.70   COCKSOMB   60.70   SALVIA   60.75   CHIORS   60.70   COCKSOMB   60.70   SANSERIERIA   45.70   ELAEANUS   50.60   SNOWROPP   60.80   COCKSOMB   60.70   SANSERIERIA   45.70   ELAEANUS   50.75   SALVIA   SANDEROR   60.80   COCKSOMB   60.70   SANSERIERIA   45.70   ELAEANUS   50.75   SANDEROR   60.80   COCKSOMB   60.70   SANDEROR   60.70   SANDEROR   60.70   SANDEROR   60.70   COCKSOMB   60.70   SANDEROR   60.70   COCKSOMB   60.70   SANDEROR   60.70   COCKSOMB   60.70	CALABRESE		CANTURY PLANT		PODACARPUS		DAY LILY		HYBRID TEA	
CELERY										
Chinese Cabbage   60 - 75   Clerocorporum   50 - 60   Princia   50 - 70   Princia   50 - 70   Chinese Cabbage   60 - 70   Cluvia   50 - 60   Princia   50 - 60   Pri										
CHINESE CABBAGE   60 - 7.5   CLERODENDRUM   50 - 6.0   PUNICA   5.5 - 6.5   EDELWEISS   6.5 - 7.5   SEDUM   6.0 - 7.5   CORN - SWEET   6.5 - 7.0   CLUMA   5.5 - 6.5   SANSERIERIA   4.5 - 7.0   ELAEAGNUS   5.0 - 7.0   CORN - SWEET   5.5 - 7.0   COCKSCOMB   6.0 - 7.0   SANSFRAGA   6.0 - 8.0   CRESS   6.0 - 7.0   COCKSCOMB   6.0 - 7.0   SANSFRAGA   6.0 - 8.0   CRESS   6.0 - 7.0   COCKSCOMB   6.0 - 7.0   COURDERT   5.5 - 7.0   COLEUS   6.0 - 7.0   COLOUMBER   5.5 - 7.5   COLUMAEA   4.5 - 5.5   COLUMBER   5.5 - 5.0   COLUMBEA   4.5 - 5.5   FENNEL   5.0 - 6.0   CORAL BERRY   5.7 - 7.5   FENNEL   5.0 - 6.0   CORAL BERRY   5.7 - 7.5   SPIDER PLANT   6.0 - 7.5   FERNEL   5.0 - 6.0   CORAL BERRY   5.5 - 7.5   SPIDER PLANT   6.0 - 7.5   FERNEL   6.0 - 8.0   CREEPING FIG   5.0 - 6.0   SYNLOGONIUM   5.0 - 6.0   FORSTHAIA   6.0 - 7.0   SYNLOGONIUM   5.0 - 6.0   FORSTHAIA   6.0 - 7.0   FORSTHAI										
CHIVES										
CORRESS   60 - 70   COCKSCOMB   60 - 70   SAMFRAGA   60 - 8.0   EMIKANTHUS   50 - 8.0   SNOWDROP   60 - 8.0										
CRESS   60 - 7.0   COFFEE PLANT   50 - 6.0   SIGNAPSUS   50 - 6.0   ERICA   45 - 6.0   SAPWORT   6.0 7.5   COURDINGER   55 - 7.5   COLUMNEA   45 - 5.5   SHARIMP PLANT   60 - 7.5   EVERLASTRINGS   50 - 6.0   SPIRZAE   60 - 7.5   COLUMNEA   45 - 5.5   SPANISH BAYONET   60 - 7.5   EVERLASTRINGS   50 - 6.0   SPIRZAE   60 - 7.5   GARSULA   50 - 6.0   SUCULENTS   50 - 6.5   FORGET-ME-NOTS   60 - 7.0   SPIRZAE   60 - 7.5   GARSULA   50 - 6.0   SVINGGONIUM   50 - 6.0   FORGET-ME-NOTS   60 - 7.0   STOCK   60 - 7.5   FORGET-ME-NOTS   60 - 7.5   SUMACK   50 - 6.0   FORGET-ME-NOTS										
COURGETTES   5.5-7.0   COLEUS   6.0-7.0   SHRIMP PLANT   6.0-7.0   EUPHORBIA   6.0-7.0   SPECDWELL   5.5-6.5										
CUCUMBER										
FENNEL   50 - 6.0   CORAL BERRY   55 - 7.5   SPIDER PLANT   6.0 - 7.5   FIRETHORN   6.0 - 8.0   STOCK   6.0 - 7.5   GINGER   6.0 - 8.0   CREEPING FIG   5.0 - 6.0   SUNCOCNIUM   5.0 - 6.0   FORGET-ME-HOTS   6.0 - 7.5   STOCK   6.0 - 7.5   GINGER   6.0 - 7.0   CROTON   5.0 - 6.0   TOLMIEA   5.0 - 6.0   FORGET-ME-HOTS   6.0 - 7.5   SUMACK   5.0 - 6.5   KALE   6.0 - 7.5   CROWN OF THORNS   6.0 - 7.5   TRADESCANTIA   5.0 - 6.0   FORGIOVE   6.0 - 7.5   SUMETOWER   5.0 - 7.0   KOHLRABI   6.0 - 7.5   CUPHEA   6.0 - 7.5   UMBRELLA TREE   6.0 - 7.5   FUCHSIA   5.5 - 7.5   SWEET PLAM   6.0 - 7.5   SWEET PLAM   6.0 - 7.5   LENTIL   5.5 - 7.0   CYPERUS   5.0 - 7.0   VENUS FLYTRAP   4.0 - 5.0   GAZIAIRA   5.5 - 7.5   SWEET WILLIAM   6.0 - 7.5   SWEET PLAM   6.0 - 7.5   SWEET WILLIAM   6.										
GARLIC   5.5 - 7.5   CRASSULA   5.0 - 6.0   SUCCULENTS   5.0 - 6.5   FORGET-ME-NOTS   6.0 - 7.0   STOCK   6.0 - 7.5								2.2		
GINGER   60 - 80   CREEPING FIG   50 - 60   SYNOGONIUM   50 - 60   FORSYTHIA   60 - 80   STONECROP   65 - 75										
HORSERADISH   60 - 7.0   CROTON   50 - 6.0   TOLMIEA   50 - 6.0   FOXGLOVE   60 - 7.5   SUMACK   50 - 6.5										
KALE         60-7.5         CROWN OF THORNS         60-7.5         TRADESCANTIA         50-6.0         FRITILLARIA         60-7.5         SUNFLOWER         50-7.0           KOHLRABI         60-7.5         CUPHEA         60-7.5         UMBRELLA TREE         50-7.5         FUCHSIA         55-7.5         SWEET PEA         60-7.5           LENTIL         55-7.0         CYPERUS         50-7.5         WEEPINIG IG         50-6.0         GAZANIA         55-7.5         SWEET WILLIAM         60-7.5           LETTUCE         60-7.0         DIEFENBACHIA         50-6.0         VENUS FLYTRAP         40-5.0         GAZANIA         55-7.5         TMILLIUM         50-6.0           MARONOW         60-7.0         DIPLADENIA         60-7.5         ZEBRINA         50-6.0         GEUM         60-7.5         TRULIUM         50-6.0           MINT         70-8.0         EASTER LLY         60-7.5         ABELIA         60-8.0         GODETIA         60-7.5         VIGRINIA CREEPER         50-7.5           MUSHROOM         65-7.5         ELEPHANT'S EAR         50-6.0         ACACIA         60-8.0         GODETIA         60-7.0         WALLFLOWER         55-7.5           MUSHROOM         60-7.5         ELEPHANT'S EAR         50-6.0         ACACIA										
KOHLRABI										
LEEK										
LETTILE										
LETTUCE										
MARJORAM         6.0 - 8.0         DIPLADENIA         6.0 - 7.5         ZEBRINA         5.0 - 6.0         GEUM         6.0 - 7.5         TULIP         6.0 - 7.0           MARROW         6.0 - 7.5         DIZGOTHECA         6.0 - 7.5         FLOWERS, TREES         GLADIOILI         6.0 - 7.0         VIBERNUM         5.0 - 7.5           MILET         6.0 - 6.5         DRACAENA         5.0 - 6.0         ACAL         6.0 - 8.0         GLOBULARIA         5.5 - 7.0         VIOLA         5.5 - 6.5           MISHROOM         6.5 - 7.5         ELEPHANTS EAR         5.0 - 6.0         ACACIA         6.0 - 8.0         GLOEDA ROD         5.0 - 7.0         WILFLOWER         5.5 - 7.5           MUSTARD         6.0 - 7.5         ELEPHANTS EAR         5.0 - 6.0         ACANTHUS         6.0 - 7.0         GYPSOPHILIA         6.0 - 7.5         WATER LILY         5.5 - 6.5           OLIVE         5.5 - 6.5         EUONYMOUS         6.0 - 8.0         ACONITUM         5.0 - 6.0         HAWTHORN         6.0 - 7.0         WEIGELIA         6.0 - 7.5           PARSLEY         5.0 - 7.0         BOSTON         5.5 - 6.5         ALANTHUS         6.0 - 7.5         HELIANTHUS         5.0 - 7.0         WISTARIA         6.0 - 7.5           PEANLY         5.0 - 7.5         BUTTON										
MILLET         6.0 - 6.5         DRACAENA         5.0 - 6.0         AND SHRUBS         GLOBULARIA         5.5 - 7.0         VIOLA         5.5 - 6.5           MINT         7.0 - 8.0         EASTER LILY         6.0 - 7.0         ABELIA         6.0 - 8.0         GODETIA         6.0 - 7.0         WALFLOWER         5.5 - 7.5           MUSTARD         6.0 - 7.5         ELEPHANTS EAR         5.0 - 6.0         ACACIA         6.0 - 7.0         GOLDEN ROD         5.0 - 7.0         WALFLOWER         5.5 - 7.5           OLIVE         5.5 - 6.5         EUONYMOUS         6.0 - 8.0         ACANITHUS         6.0 - 7.0         GYPSOPHILIA         6.0 - 7.0         WATER LILY         5.5 - 6.5           OLIVE         5.5 - 6.5         EUONYMOUS         6.0 - 8.0         ACONITUM         5.0 - 6.0         HAWTHORN         6.0 - 7.0         WEIGELIA         6.0 - 7.5           ONION         6.0 - 7.0         FERNS:         ACONITUM         5.0 - 6.0         HAWTHORN         6.0 - 7.0         WISTARIA         6.0 - 7.5           PARSILY         5.0 - 7.0         BOSTON         5.5 - 6.5         AJERATUM         6.0 - 7.5         HELLIANTHUS         5.0 - 7.0         ZINNIA         5.5 - 7.5           PEA         6.0 - 7.5         BUTTON         6.0 - 8.0	MARJORAM	6.0 - 8.0	DIPLADENIA	6.0 - 7.5	ZEBRINA	5.0 - 6.0	GEUM	6.0 - 7.5	TULIP	6.0 - 7.0
MINT         7.0 - 8.0         EASTER LILY         6.0 - 7.0         ABELIA         6.0 - 8.0         GODETIA         6.0 - 7.5         VIRGINIA CREEPER         5.0 - 7.5           MUSTARD         6.0 - 7.5         ELPHANT'S EAR         5.0 - 6.0         ACACIA         6.0 - 8.0         GOLDEN ROD         5.0 - 7.0         WALLFLOWER         5.5 - 6.5           OLIVE         5.5 - 6.5         EUONYMOUS         6.0 - 8.0         ACONITUM         5.0 - 6.0         HAWTHORN         6.0 - 7.0         WEIGELIA         6.0 - 7.5           ONION         6.0 - 7.0         FERNS:         ACONITUM         5.0 - 6.0         HAWTHORN         6.0 - 7.0         WISTARIA         6.0 - 7.5           PAPRIKA         7.0 - 8.5         BIRD'S NEST         5.0 - 5.5         AGERATUM         6.0 - 7.5         HELLANTHUS         5.0 - 7.0         ZINNIA         6.0 - 7.5           PARSIEY         5.0 - 7.0         BOSTON         5.5 - 6.5         AILANTHUS         6.0 - 7.5         HELLBERORUS         6.0 - 7.5         TURF AND ORNAMENTAL GRASSES           PEANUT         5.0 - 6.5         BUTTON         6.0 - 8.0         AJUGA         4.0 - 6.0         HOLLYHOCK         6.0 - 7.5         BERNIT         5.5 - 6.5           PEANUT         5.0 - 6.5         CLOAK <t< td=""><td>MARROW</td><td>6.0 - 7.5</td><td>DIZGOTHECA</td><td>6.0 - 7.5</td><td>FLOWERS, TREES</td><td></td><td>GLADIOILI</td><td>6.0 - 7.0</td><td>VIBERNUM</td><td>5.0 - 7.5</td></t<>	MARROW	6.0 - 7.5	DIZGOTHECA	6.0 - 7.5	FLOWERS, TREES		GLADIOILI	6.0 - 7.0	VIBERNUM	5.0 - 7.5
MUSHROOM         6.5 - 7.5         ELEPHANT'S EAR         5.0 - 6.0         ACACIA         6.0 - 8.0         GOLDEN ROD         5.0 - 7.0         WALLFLOWER         5.5 - 7.5           MUSTARD         6.0 - 7.5         EPISCIA         6.0 - 7.0         ACANTHUS         6.0 - 7.0         GYPSOPHILIA         6.0 - 7.0         WATER LILY         5.5 - 6.5           OLIVE         5.5 - 6.5         EUONYMOUS         6.0 - 8.0         ACONITUM         5.0 - 6.0         HAWTHORN         6.0 - 7.0         WISTARIA         6.0 - 7.5           ONION         6.0 - 7.0         FERNS:         ACONIS         6.0 - 8.0         HEATHER         4.0 - 6.0         WISTARIA         6.0 - 8.0           PARSILEY         5.0 - 7.0         BOSTON         5.5 - 6.5         AGERATUM         6.0 - 7.5         HELIANTHUS         5.0 - 7.0         ZINNIA         5.5 - 7.5           PARSILEY         5.0 - 7.0         BOSTON         6.5 - 6.5         AJUGA         4.0 - 6.0         HOLLY         5.0 - 6.5         BAHAI         6.5 - 7.5           PEA         6.0 - 7.5         CHRISTMAS         6.0 - 7.5         ALTHEA         6.0 - 7.5         HOLLY         5.0 - 6.5         BERMI DA         6.5 - 7.5           PEANUT         5.0 - 6.5         CLOAK         6.0 - 7.5	MILLET	6.0 - 6.5	DRACAENA	5.0 - 6.0	AND SHRUBS		GLOBULARIA	5.5 - 7.0	VIOLA	5.5 - 6.5
MUSTARD         6.0 - 7.5         EPISCIA         6.0 - 7.0         ACANTHUS         6.0 - 7.0         GYPSOPHILIA         6.0 - 7.5         WATER LILY         5.5 - 6.5           OLIVE         5.5 - 6.5         EUONYMOUS         6.0 - 8.0         ACONITUM         5.0 - 6.0         HAWTHORN         6.0 - 7.0         WEIGELIA         6.0 - 7.5           ONION         6.0 - 7.0         FERNS:         ADONIS         6.0 - 8.0         HEATHER         4.0 - 6.0         WISTARIA         6.0 - 8.0           PAPRIKA         7.0 - 8.5         BIRD'S NEST         5.0 - 5.5         AGERATUM         6.0 - 7.5         HELIANTHUS         5.0 - 7.0         ZINNIA         5.5 - 7.5           PARSLEY         5.0 - 7.0         BOSTON         5.5 - 6.5         AILANTHUS         6.0 - 7.5         HELLBEBORUS         6.0 - 7.5         TURF AND ORNAMENTAL GRASSES           PARSNIP         5.5 - 7.5         BUTTON         6.0 - 8.0         AJUGA         4.0 - 6.0         HOLLY         5.0 - 6.5         BAHAI         6.5 - 7.5           PEAN         5.0 - 6.5         CLOAK         6.0 - 7.5         ALYSSUM         6.0 - 7.5         HOLLYHOCK         6.0 - 7.5         BERMUDA         6.0 - 7.0           PECAN         4.0 - 6.0         FEATHER         5.5 - 6.5	MINT	7.0 - 8.0	EASTER LILY	6.0 - 7.0	ABELIA	6.0 - 8.0		6.0 - 7.5	VIRGINIA CREEPER	5.0 - 7.5
OLIVE         5.5 - 6.5         EUONYMOUS         6.0 - 8.0         ACONITUM         5.0 - 6.0         HAWTHORN         6.0 - 7.0         WEIGELIA         6.0 - 7.5           ONION         6.0 - 7.0         FERNS:         ADONIS         6.0 - 8.0         HEATHER         4.0 - 6.0         WISTARIA         6.0 - 8.0           PAPRIKA         7.0 - 8.5         BIRD'S NEST         5.0 - 5.5         AGERATUM         6.0 - 7.5         HELLEBORUS         6.0 - 7.0         ZINNIA         5.5 - 7.5           PARSLEY         5.0 - 7.0         BOSTON         5.5 - 6.5         AILANTHUS         6.0 - 7.5         HELLEBORUS         6.0 - 7.5         TURF AND ORNAMENTAL GRASSES           PARSNIP         5.5 - 7.5         BUTTON         6.0 - 8.0         AJUGA         4.0 - 6.0         HOLLY         5.0 - 6.5         BAHAI         6.5 - 7.5           PEA         6.0 - 7.5         CHRISTMAS         6.0 - 7.5         ALTHEA         6.0 - 7.5         HOLLYHOCK         6.0 - 7.5         BERMUDA         6.0 - 7.0           PEANUT         5.0 - 6.5         CLOAK         6.0 - 7.5         ALYSSUM         6.0 - 7.5         HOLLYHOCK         6.0 - 7.5         BERMUDA         6.0 - 7.0           PEPEANUT         5.0 - 6.5         CLOAK         6.0 - 7.5 <td< td=""><td>MUSHROOM</td><td></td><td>ELEPHANT'S EAR</td><td></td><td>ACACIA</td><td></td><td>GOLDEN ROD</td><td></td><td></td><td></td></td<>	MUSHROOM		ELEPHANT'S EAR		ACACIA		GOLDEN ROD			
ONION         6.0 - 7.0         FERNS:         ADONIS         6.0 - 8.0         HEATHER         4.0 - 6.0         WISTARIA         6.0 - 8.0           PAPRIKA         7.0 - 8.5         BIRD'S NEST         5.0 - 5.5         AGERATUM         6.0 - 7.5         HELLIANTHUS         5.0 - 7.0         ZINNIA         5.5 - 7.5           PARSLEY         5.0 - 7.0         BOSTON         5.5 - 6.5         ALANTHUS         6.0 - 7.5         HELLEBORUS         6.0 - 7.5         TURF AND ORNAMENTAL GRASSES           PARSNIP         5.5 - 7.5         BUTTON         6.0 - 8.0         AJUGA         4.0 - 6.0         HOLLY         5.0 - 6.5         BAHAI         6.5 - 7.5           PEA         6.0 - 7.5         CHRISTMAS         6.0 - 7.5         ALTHEA         6.0 - 7.5         HOLLYHOCK         6.0 - 7.5         BENT         5.5 - 6.5           PEANUT         5.0 - 6.5         CLOAK         6.0 - 7.5         ALTHEA         6.0 - 7.5         HOLLYHOCK         6.0 - 7.5         BERT         5.5 - 6.5           PEANUT         5.0 - 6.5         CLOAK         6.0 - 7.5         ALTHEA         6.0 - 7.5         HOLLYHOCK         6.0 - 7.5         BERMUDA         6.0 - 7.0           PECAN         4.0 - 6.0         C.OANADA BLUE         4.0 - 6.0         CLOVER	MUSTARD									
PAPRIKA         7.0 - 8.5         BIRD'S NEST         5.0 - 5.5         AGERATUM         6.0 - 7.5         HELIANTHUS         5.0 - 7.0         ZINNIA         5.5 - 7.5           PARSLEY         5.0 - 7.0         BOSTON         5.5 - 6.5         ALIANTHUS         6.0 - 7.5         HELLEBORUS         6.0 - 7.5         TURF AND ORNAMENTAL GRASSES           PARSNIP         5.5 - 7.5         BUTTON         6.0 - 8.0         AJUGA         4.0 - 6.0         HOLLY         5.0 - 6.5         BAHAI         6.5 - 7.5           PEA         6.0 - 7.5         CHRISTMAS         6.0 - 7.5         ALTHEA         6.0 - 7.5         HOLLYHOCK         6.0 - 7.5         BENT         5.5 - 6.5           PEANUT         5.0 - 6.5         CLOAK         6.0 - 7.5         ALTHEA         6.0 - 7.5         HOLLYHOCK         6.0 - 7.5         BERMUDA         6.0 - 7.0           PECAN         4.0 - 6.0         FEATHER         5.5 - 6.5         AMRANNTHUS         6.0 - 7.5         HONEYSUCKLE         6.0 - 7.5         BERMUDA         6.0 - 7.0           PEPPER         5.5 - 7.0         HART'S TONGUE         7.0 - 8.0         ANCHUSA         6.0 - 7.5         HYDRANGEA (Blue)         4.0 - 5.0         CANADA BLUE         4.5 - 6.4           PEPPERMINT         6.0 - 7.5         H				6.0 - 8.0						
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PARSNIP         5.5 - 7.5         BUTTON         6.0 - 8.0         AJUGA         4.0 - 6.0         HOLLY         5.0 - 6.5         BAHAI         6.5 - 7.5           PEA         6.0 - 7.5         CHRISTMAS         6.0 - 7.5         ALTHEA         6.0 - 7.5         HOLLYHOCK         6.0 - 7.5         BERM DA         6.0 - 7.0           PEANUT         5.0 - 6.5         CLOAK         6.0 - 7.5         ALYSSUM         6.0 - 7.5         HONEYSUCKLE         6.0 - 7.5         BERMUDA         6.0 - 7.0           PECAN         4.0 - 6.0         FEATHER         5.5 - 6.5         AMARANTHUS         6.0 - 6.5         HYACINTH         6.5 - 7.5         CANADA BLUE         4.5 - 6.4           PEPPER         5.5 - 7.0         HART'S TONGUE         7.0 - 8.0         ANCHUSA         6.0 - 7.5         HYDRANGEA (Blue)         4.0 - 5.0         CLOVER         6.0 - 7.0           PEPPERMINT         6.0 - 7.5         HOLLY         4.5 - 6.0         ANDROSACE         5.0 - 6.0         HYDRANGEA (Blue)         4.0 - 5.0         CLOVER         6.0 - 7.5           PISTACHIO         5.0 - 6.0         MAIDENHAIR         6.0 - 8.0         ANEMONE         6.0 - 7.5         HYDRANGEA (White)         6.5 - 8.0         MEADOW         6.0 - 7.5         ANTHYLLIS         5.0 - 6.0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
PEA         6.0 - 7.5         CHRISTMAS         6.0 - 7.5         ALTHEA         6.0 - 7.5         HOLLYHOCK         6.0 - 7.5         BENT         5.5 - 6.5           PEANUT         5.0 - 6.5         CLOAK         6.0 - 7.5         ALYSSUM         6.0 - 7.5         HONEYSUCKLE         6.0 - 7.5         BERMUDA         6.0 - 7.0           PECAN         4.0 - 6.0         FEATHER         5.5 - 6.5         AMARANTHUS         6.0 - 6.5         HYACINTH         6.5 - 7.5         CANADA BLUE         4.5 - 6.4           PEPPER         5.5 - 7.0         HART'S TONGUE         7.0 - 8.0         ANCHUSA         6.0 - 7.5         HYDRANGEA (Blue)         4.0 - 6.0         CLOVER         6.0 - 7.0           PEPPERMINT         6.0 - 7.5         HOLLY         4.5 - 6.0         ANCHUSA         6.0 - 7.5         HYDRANGEA (Pink)         6.0 - 7.0         KENTUCKY BLUE         6.0 - 7.5           PISTACHIO         5.0 - 6.0         MAIDENHAIR         6.0 - 8.0         ANEMONE         6.0 - 7.5         HYDRANGEA (White)         6.5 - 8.0         MEADOW         6.0 - 7.5           POTATO         4.5 - 6.0         RABBITS FOOT         6.0 - 7.5         ARBUTUS         4.0 - 6.0         IRIS         5.0 - 6.5         RED TOP         6.0 - 8.0           PUMPKIN <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
PEANUT         5.0 - 6.5         CLOAK         6.0 - 7.5         ALYSSUM         6.0 - 7.5         HONEYSUCKLE         6.0 - 7.5         BERMUDA         6.0 - 7.0           PECAN         4.0 - 6.0         FEATHER         5.5 - 6.5         AMARANTHUS         6.0 - 6.5         HYACINTH         6.5 - 7.5         CANADA BLUE         4.5 - 6.4           PEPPER         5.5 - 7.0         HARTS TONGUE         7.0 - 8.0         ANCHUSA         6.0 - 7.5         HYDRANGEA (Blue)         4.0 - 5.0         CLOVER         6.0 - 7.0           PEPPERMINT         6.0 - 7.5         HOLLY         4.5 - 6.0         ANDROSACE         5.0 - 6.0         HYDRANGEA (Pink)         6.0 - 7.0         KENTUCKY BLUE         6.0 - 7.5           PISTACHIO         5.0 - 6.0         MAIDENHAIR         6.0 - 8.0         ANEMONE         6.0 - 7.5         HYDRANGEA (White)         6.5 - 8.0         MEADOW         6.0 - 7.5           POTATO         4.5 - 6.0         RABBITS FOOT         6.0 - 7.5         ANTHYLLIS         5.0 - 6.0         HYPERICUM         5.5 - 7.0         PAMPAS         6.0 - 8.0         8.0 - 8.0           PUMPKIN         5.5 - 7.5         FIG         5.0 - 6.0         ARENUTUS         4.0 - 6.0         IRIS         5.0 - 6.5         RED TOP         6.0 - 7.0										
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PEPPER         5.5 - 7.0         HART'S TONGUE         7.0 - 8.0         ANCHUSA         6.0 - 7.5         HYDRANGEA (Blue)         4.0 - 5.0         CLOVER         6.0 - 7.0           PEPPERMINT         6.0 - 7.5         HOLLY         4.5 - 6.0         ANDROSACE         5.0 - 6.0         HYDRANGEA (Pink)         6.0 - 7.0         KENTUCKY BLUE         6.0 - 7.5           PISTACHIO         5.0 - 6.0         MAIDENHAIR         6.0 - 8.0         ANEMONE         6.0 - 7.5         HYDRANGEA (White)         6.5 - 8.0         MEADOW         6.0 - 7.5           POTATO         4.5 - 6.0         RABBITS FOOT         6.0 - 7.5         ANTHYLLIS         5.0 - 6.0         HYPERICUM         5.5 - 7.0         PAMPAS         6.0 - 8.0           POTATO - SWEET         5.5 - 6.0         SPLEENWORT         6.0 - 7.5         ARBUTUS         4.0 - 6.0         IRIS         5.0 - 6.5         RED TOP         6.0 - 6.5           PUMPKIN         5.5 - 7.5         FIG         5.0 - 6.0         ARENARIA         6.0 - 8.0         IVY         6.0 - 7.5         RYE         6.0 - 7.0           RADISH         6.0 - 7.0         FITTONIA         5.5 - 6.5         ARISTEA         6.0 - 7.5         KALMIA         4.5 - 5.0         5.1 - 6.5         ST. AUGUSTINE         6.5 - 7.5										
PEPPERMINT         6.0 - 7.5         HOLLY         4.5 - 6.0         ANDROSACE         5.0 - 6.0         HYDRANGEA (Pink)         6.0 - 7.0         KENTUCKY BLUE         6.0 - 7.5           PISTACHIO         5.0 - 6.0         MAIDENHAIR         6.0 - 8.0         ANEMONE         6.0 - 7.5         HYDRANGEA (White)         6.5 - 8.0         MEADOW         6.0 - 7.5           POTATO         4.5 - 6.0         RABBITS FOOT         6.0 - 7.5         ANTHYLLIS         5.0 - 6.0         HYPERICUM         5.5 - 7.0         PAMPAS         6.0 - 8.0           POTATO - SWEET         5.5 - 6.0         SPLEENWORT         6.0 - 7.5         ARBUTUS         4.0 - 6.0         IRIS         5.0 - 6.5         RED TOP         6.0 - 6.5           PUMPKIN         5.5 - 7.5         FIG         5.0 - 6.0         ARENARIA         6.0 - 8.0         IVY         6.0 - 7.5         RYE         6.0 - 7.0           RADISH         6.0 - 7.0         FITTONIA         5.5 - 6.5         ARISTEA         6.0 - 7.5         JUNIPER         5.0 - 6.5         ST. AUGUSTINE         6.5 - 7.5           ROSEMARY         5.0 - 6.5         FREESIA         6.0 - 7.5         ARMERIA         5.0 - 6.5         KERRIA         6.0 - 7.0         VELVET BENT         5.0 - 6.0										
PISTACHIO         5.0 - 6.0         MAIDENHAIR         6.0 - 8.0         ANEMONE         6.0 - 7.5         HYDRANGEA (White)         6.5 - 8.0         MEADOW         6.0 - 7.5           POTATO         4.5 - 6.0         RABBITS FOOT         6.0 - 7.5         ANTHYLLIS         5.0 - 6.0         HYPERICUM         5.5 - 7.0         PAMPAS         6.0 - 8.0           POTATO - SWEET         5.5 - 6.0         SPLEENWORT         6.0 - 7.5         ARBUTUS         4.0 - 6.0         IRIS         5.0 - 6.5         RED TOP         6.0 - 6.5           PUMPKIN         5.5 - 7.5         FIG         5.0 - 6.5         ARENARIA         6.0 - 8.0         IVY         6.0 - 7.5         RYE         6.0 - 7.0           RADISH         6.0 - 7.0         FITTONIA         5.5 - 6.5         ARISTEA         6.0 - 7.5         JUNIPER         5.0 - 6.5         ST. AUGUSTINE         6.5 - 7.5           RICE         5.0 - 6.5         FREESIA         6.0 - 7.5         ARMERIA         6.0 - 7.5         KALMIA         4.5 - 5.0         TALL FESCUE         6.0 - 7.0           ROSEMARY         5.0 - 6.0         GARDENIA         5.0 - 6.0         ARNICA         5.0 - 6.5         KERRIA         6.0 - 7.0         VELVET BENT         5.0 - 6.0										
POTATO         4.5 - 6.0         RABBITS FOOT FORTOWARD         6.0 - 7.5         ANTHYLLIS         5.0 - 6.0         HYPERICUM         5.5 - 7.0         PAMPAS         6.0 - 8.0           POTATO - SWEET         5.5 - 6.0         SPLEENWORT         6.0 - 7.5         ARBUTUS         4.0 - 6.0         IRIS         5.0 - 6.5         RED TOP         6.0 - 6.5           PUMPKIN         5.5 - 7.5         FIG         5.0 - 6.0         ARENARIA         6.0 - 8.0         IVY         6.0 - 7.5         RYE         6.0 - 7.0           RADISH         6.0 - 7.0         FITTONIA         5.5 - 6.5         ARISTEA         6.0 - 7.5         JUNIPER         5.0 - 6.5         ST. AUGUSTINE         6.5 - 7.5           RICE         5.0 - 6.5         FREESIA         6.0 - 7.5         ARMERIA         6.0 - 7.5         KALMIA         4.5 - 6.0         TALL FESCUE         6.0 - 7.0           ROSEMARY         5.0 - 6.0         GARDENIA         5.0 - 6.0         ARNICA         5.0 - 6.5         KERRIA         6.0 - 7.0         VELVET BENT         5.0 - 6.0										
POTATO - SWEET         5.5 - 6.0         SPLEENWORT         6.0 - 7.5         ARBUTUS         4.0 - 6.0         IRIS         5.0 - 6.5         RED TOP         6.0 - 6.5           PUMPKIN         5.5 - 7.5         FIG         5.0 - 6.0         ARENARIA         6.0 - 8.0         IVY         6.0 - 7.5         RYE         6.0 - 7.0           RADISH         6.0 - 7.0         FITTONIA         5.5 - 6.5         ARISTEA         6.0 - 7.5         JUNIPER         5.0 - 6.5         ST. AUGUSTINE         6.5 - 7.5           RICE         5.0 - 6.5         FREESIA         6.0 - 7.5         ARMERIA         6.0 - 7.5         KALMIA         4.5 - 5.0         TALL FESCUE         6.0 - 7.0           ROSEMARY         5.0 - 6.0         GARDENIA         5.0 - 6.0         ARNICA         5.0 - 6.5         KERRIA         6.0 - 7.0         VELVET BENT         5.0 - 6.0										
PUMPKIN         5.5 - 7.5         FIG         5.0 - 6.0         ARENARIA         6.0 - 8.0         IVY         6.0 - 7.5         RYE         6.0 - 7.0           RADISH         6.0 - 7.0         FITTONIA         5.5 - 6.5         ARISTEA         6.0 - 7.5         JUNIPER         5.0 - 6.5         ST. AUGUSTINE         6.5 - 7.5           RICE         5.0 - 6.5         FREESIA         6.0 - 7.5         ARMERIA         6.0 - 7.5         KALMIA         4.5 - 5.0         TALL FESCUE         6.0 - 7.0           ROSEMARY         5.0 - 6.0         GARDENIA         5.0 - 6.0         ARNICA         5.0 - 6.5         KERRIA         6.0 - 7.0         VELVET BENT         5.0 - 6.0										
RADISH         6.0 - 7.0         FITTONIA         5.5 - 6.5         ARISTEA         6.0 - 7.5         JUNIPER         5.0 - 6.5         ST. AUGUSTINE         6.5 - 7.5           RICE         5.0 - 6.5         FREESIA         6.0 - 7.5         ARMERIA         6.0 - 7.5         KALMIA         4.5 - 5.0         TALL FESCUE         6.0 - 7.0           ROSEMARY         5.0 - 6.0         GARDENIA         5.0 - 6.0         ARNICA         5.0 - 6.5         KERRIA         6.0 - 7.0         VELVET BENT         5.0 - 6.0										
RICE         5.0 - 6.5         FREESIA         6.0 - 7.5         ARMERIA         6.0 - 7.5         KALMIA         4.5 - 5.0         TALL FESCUE         6.0 - 7.0           ROSEMARY         5.0 - 6.0         GARDENIA         5.0 - 6.0         ARNICA         5.0 - 6.5         KERRIA         6.0 - 7.0         VELVET BENT         5.0 - 6.0										
ROSEMARY 5.0 - 6.0 GARDENIA 5.0 - 6.0 ARNICA 5.0 - 6.5 KERRIA 6.0 - 7.0 VELVET BENT 5.0 - 6.0										

#### 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 retesting.

#### 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 vary 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.

Released to Imaging: 9/29/2025 4:42:32 PM



### 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.

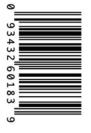
#### Included in the kit are:

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.



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### **APPENDIX H**

Correspondence & Notifications

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



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 485344

#### **QUESTIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	485344
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nKL1622549584
Incident Name	NKL1622549584 TOMCAT 8 FEDERAL #001 @ 30-025-38367
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-025-38367] TOMCAT 8 FEDERAL #001

Location of Release Source	
Site Name	TOMCAT 8 FEDERAL #001
Date Release Discovered	08/04/2016
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	400
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/18/2025
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 intersection Red Rd and Mills Ranch Rd, head east for 0.4 miles, continue onto Mills Ranch Rd for 1.5 miles, continue straight for 1.7 miles.

General Information Phone: (505) 629-6116

Online Phone Directory <a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

CONDITIONS

Action 485344

#### **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	485344
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

#### CONDITIONS

Create By	d Condition	Condition Date
jrale	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.	7/16/2025
jrale	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.	7/16/2025

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 493907

#### **QUESTIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	493907
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nKL1622549584
Incident Name	NKL1622549584 TOMCAT 8 FEDERAL #001 @ 30-025-38367
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-025-38367] TOMCAT 8 FEDERAL #001

Location of Release Source	
Site Name	TOMCAT 8 FEDERAL #001
Date Release Discovered	08/04/2016
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	400
What is the estimated number of samples that will be gathered	2
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/14/2025
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 intersection Red Rd and Mills Ranch Rd, head east for 0.4 miles, continue onto Mills Ranch Rd for 1.5 miles, continue straight for 1.7 miles.

General Information Phone: (505) 629-6116

Online Phone Directory <a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

CONDITIONS

Action 493907

#### **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	493907
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

#### CONDITIONS

Create By	d Condition	Condition Date
jrale	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.	8/8/2025
jrale	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.	8/8/2025

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 499538

#### **QUESTIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	499538
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nKL1622549584
Incident Name	NKL1622549584 TOMCAT 8 FEDERAL #001 @ 30-025-38367
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-025-38367] TOMCAT 8 FEDERAL #001

Location of Release Source	
Site Name	TOMCAT 8 FEDERAL #001
Date Release Discovered	08/04/2016
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	400
What is the estimated number of samples that will be gathered	2
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/29/2025
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 intersection Red Rd and Mills Ranch Rd, head east for 0.4 miles, continue onto Mills Ranch Rd for 1.5 miles, continue straight for 1.7 miles. (32.3143768,-103.690033)

General Information Phone: (505) 629-6116

Online Phone Directory <a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

CONDITIONS

Action 499538

#### **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	499538
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

#### CONDITIONS

Create By	d 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.	8/26/2025
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.	8/26/2025

#### **Erick Herrera**

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Wednesday, April 2, 2025 5:15 PM

**To:** Abe Valladares

Cc:Raley, Jim; camorgan@blm.gov; NM TX Geo Group; Bratcher, Michael, EMNRDSubject:RE: [EXTERNAL] Devon Characterization Variance Request - Tomcat 8 Federal 1

(nKL1622549584)

#### Good afternoon Abe,

The depth to groundwater variance request to use C-04815 POD data is approved and therefore this release may be remediated to Table 1 51 feet-100 feet Closure Criteria. OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws/regulations. Please include a copy of this variance request 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
http://www.emnrd.state.nm.us/OCD/

From: Abe Valladares <abevalladares@etechenv.com>

Sent: Wednesday, April 2, 2025 3:22 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: Raley, Jim <jim.raley@dvn.com>; camorgan@blm.gov; NM TX Geo Group <NMTXGeoGroup@etechenv.com>

Subject: [EXTERNAL] Devon Characterization Variance Request - Tomcat 8 Federal 1 (nKL1622549584)

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 8 Federal 1 (Site) for Incident Number (nKL1622549584) for your review. This request proposes to utilize a Table I depth to ground water (DTW) greater than 55 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.

Thank you,



#### Abraham Valladares

Project Coordinator

Etech Environmental & Safety Solutions, Inc.

C: (432) 967-9624

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

Phone: (505) 629-6116
Online Phone Directory
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# State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS

Action 503825

#### **QUESTIONS**

ı	Operator:	OGRID:
ı	DEVON ENERGY PRODUCTION COMPANY, LP	6137
ı	333 West Sheridan Ave.	Action Number:
ı	Oklahoma City, OK 73102	503825
ı		Action Type:
ı		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

Prerequisites	
Incident ID (n#)	nKL1622549584
Incident Name	NKL1622549584 TOMCAT 8 FEDERAL #001 @ 30-025-38367
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-38367] TOMCAT 8 FEDERAL #001

Location of Release Source	
Please answer all the questions in this group.	
Site Name	TOMCAT 8 FEDERAL #001
Date Release Discovered	08/04/2016
Surface Owner	Federal

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

Nature and Volume of Release		
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Equipment Failure   Valve   Produced Water   Released: 6 BBL   Recovered: 5 BBL   Lost: 1 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.	

General Information Phone: (505) 629-6116

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

QUESTIONS, Page 2

Action 503825

**QUESTIONS** (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP	OGRID: 6137
333 West Sheridan Ave. Oklahoma City, OK 73102	Action Number: 503825
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releating the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 09/08/2025

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 3

Action 503825

#### **QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	503825
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)	
What method was used to determine the depth to ground water	NM OSE iWaters Database Search	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)	
Any other fresh water well or spring	Between 1 and 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between 1 and 5 (mi.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	Low	
A 100-year floodplain	Greater than 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	No	

Remediation Plan			
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.			
Requesting a remediation plan approval with this submission	Yes		
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination as	ssociated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated  Yes			
Was this release entirely contained within a lined containment area No			
Soil Contamination Sampling: (Provide the highest observable value for each, in millig	grams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	1300		
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	4960		
GRO+DRO (EPA SW-846 Method 8015M)	2270		
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	08/29/2025		
On what date will (or did) the final sampling or liner inspection occur	08/29/2025		
On what date will (or was) the remediation complete(d)	08/29/2025		
What is the estimated surface area (in square feet) that will be reclaimed	271		
What is the estimated volume (in cubic yards) that will be reclaimed	41		
What is the estimated surface area (in square feet) that will be remediated	271		
What is the estimated volume (in cubic yards) that will be remediated	What is the estimated volume (in cubic yards) that will be remediated 41		
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.			

General Information Phone: (505) 629-6116

Online Phone Directory <a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

QUESTIONS, Page 4

Action 503825

**QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	503825
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Remediation Plan (continued)		
e 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.)		
Yes		
fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL		
Not answered.		
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

I hereby agree and sign off to the above statement

Title: EHS Professional
Email: jim.raley@dvn.com
Date: 09/08/2025

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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 5

Action 503825

**QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	503825
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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

General Information Phone: (505) 629-6116

Online Phone Directory <a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

QUESTIONS, Page 6

Action 503825

**QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	503825
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	499538
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/29/2025
What was the (estimated) number of samples that were to be gathered	2
What was the sampling surface area in square feet	400

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all re	emediation steps have been completed.
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	271
What was the total volume (cubic yards) remediated	41
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	271
What was the total volume (in cubic yards) reclaimed	41
Summarize any additional remediation activities not included by answers (above)	The Site was remediated

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.

Name: James Raley
Title: EHS Professional
Email: jim.raley@dvn.com
Date: 09/08/2025

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 7

Action 503825

**QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	503825
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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

General Information Phone: (505) 629-6116

Online Phone Directory <a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

CONDITIONS

Action 503825

#### **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	503825
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

#### CONDITIONS

•	Created By	Condition	Condition Date	
	scwells	None	9/29/2025	