

Bloodhound 15 23 27 fee 401

7-9-2023

for incident ID (n#) nAPP2319061278

<b><u>Spill Volume(Bbls) Calculator</u></b>	
<i>Inputs in blue, Outputs in red</i>	
<i>Contaminated Soil measurement</i>	
Area (square feet)	Depth(inches)
<u>935.706</u>	<u>0.250</u>
Cubic Feet of Soil Impacted	<u>19.494</u>
Barrels of Soil Impacted	<u>3.47</u>
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	<u>0.52</u>
Saturation	Damp no fluid when squeezed
Estimated Barrels of Oil Released	0.05
<i>Free Standing Fluid Only</i>	
Area (square feet)	Depth(inches)
<u>0</u>	<u>0.000</u>
Standing fluid	<u>0.000</u>
<b><u>Total fluids spilled</u></b>	<b><u>0.521</u></b>



209 W. McKay Street  
Carlsbad, New Mexico 88220  
Tel. 432-701-2159  
www.ntgenvironmental.com

January 15, 2024

Mike Bratcher  
District Supervisor  
Oil Conservation Division, District 2  
811 S. First Street  
Artesia, New Mexico 88210

**Re: Closure and Deferral Request Report  
Bloodhound 15-23-27 Fee 401H  
Unit H, S15, T23S, R27E  
Site Coordinates: 32.307960, -104.173004  
Eddy County, New Mexico  
Incident ID: nAPP2319061278**

Mr. Bratcher:

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this Closure and Deferral Request Report to document site assessment, remedial action, and sampling activities at the Bloodhound 15-23-27 Fee 401H (Site) for submittal to the New Mexico Oil Conservation Division (NMOCD) District 2 Office in Artesia, New Mexico. The Site is located in Unit H, Section 15, Township 23 South of Range 27 East in Eddy County, New Mexico. The site location with respect to the nearest town is shown in Figure 1 and the topography of the area is shown in Figure 2.

### **Background**

Based on the initial C-141 obtained from the NMOCD, the release was discovered on July 9<sup>th</sup>, 2023. The release was due to a fire at the flare which resulted in the release of approximately 0.5 barrels (bbls) of crude oil of which none were recovered for a net loss of 0.5 bbls of crude oil. Upon discovery, the fire was extinguished, equipment was shut-in, and area was secured. The release area is shown on Figure 3.

### **Site Characterization**

The site is located within a medium karst area. Based on a review of the New Mexico Office of State Engineers (NMOSE) and USGS databases, there are multiple water sources within a ½-mile radius of the Site. Well C-3766 was drilled in 2014 to a reported depth of 260 feet below ground surface (ft bgs) with groundwater encountered at 25 ft bgs. In addition, the Site is within 300 ft of a continuously flowing river stream. No other receptors (playas, wetlands, lakebeds, or ordinance boundaries) are located within each specific boundary or distance from the Site. A copy of the site characterization information and the associated NMOSE summary report is attached.

Mr. Mike Bratcher  
January 15, 2024  
Page 2 of 4

### **Regulatory Criteria**

NTGE characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, from the New Mexico Administrative Code (NMCA) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX): 50mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg

### **Site Assessment**

On July 26<sup>th</sup>, 2023, NTGE conducted site assessment activities to assess the vertical extent of impacts at the Site. A total of one (1) vertical sample points (S-1) and four (4) horizontal sample points (H-1 through H-4) were installed within the release area to characterize the impacts. Soil samples were collected in 0.5-to-1-foot (ft) intervals from depths ranging from 0 – 4.5 ft bgs with a geotechnical hand auger. The hand auger was decontaminated with Alconox and deionized water between soil borings to prevent cross-contamination. Sample locations are shown on Figure 3.

Soil samples were placed directly into laboratory provided samples containers, placed on ice, and transported under proper chain-of-custody protocol and submitted to Envirotech Laboratory in Farmington, NM to be analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B). Laboratory reports containing analytical methods and chain-of-custody documents are attached.

Analytical results identified elevated chloride and TPH concentrations across the release area in the areas of S-1 and H-4 at depths ranging from 0 to 4.5 ft bgs. Laboratory reports containing analytical methods and chain-of-custody documents are attached. Analytical results for all delineation samples are presented in Table 1.

### **Remedial Action Activities and Confirmation Sampling**

Based on the analytical results, Devon proceeded with the remedial actions at the Site to include the excavation and disposal of impacted soils above the regulatory limits. The release area was excavated to a depth of 5 ft bgs in the areas of S-1 and H-4.

On October 4<sup>th</sup>, 2023, a total of four (4) composite confirmation samples were collected from the excavation base (CS-1 through CS-4) and four (4) composite confirmation samples were collected from the excavation sidewalls (SW-1 through SW-4) to ensure impacted soil was removed.

Soil samples were placed directly into laboratory provided sample containers, placed on ice, and transported under proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, NM. Soil samples were collected and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B). Laboratory reports containing analytical methods and chain-of-custody documents are attached.

The confirmation samples were collected every 200 square feet and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B). Following receipt of the analytical results, analytical results indicated that all composite confirmation excavation base and side wall samples (CS-1 through CS-4, SW-1 through SW-4) were above NMOCD regulatory criterion for chloride concentrations.

Mr. Mike Bratcher  
January 15, 2024  
Page 3 of 4

Devon expanded the excavation both horizontally and vertically based on the laboratory results of confirmation samples to ensure all impacted soils were removed. After further excavation, NTGE was onsite October 16, 2023, to collect confirmation samples from the base (CS-1 through CS-4 at 7 ft bgs) and side walls of excavation (SW-1A through SW-4A). Samples were submitted to Cardinal Laboratories and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B). Analytical results indicated chloride concentrations for all samples to be above NMOCD Table I, Closure Criteria for the site.

Devon continued expanding the excavation both horizontally and vertically based on the laboratory results of confirmation samples to ensure all impacted soils were removed. NTGE collected final confirmation samples from the excavation base at 8 ft bgs (CS-1 through CS-5) and final confirmation samples from the excavation sidewalls (SW-1B through SW-4B, SW-5 and SW-6) on October 30<sup>th</sup>, 2023. The confirmation samples were collected and analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (method SM4500Cl-B). Analytical results indicated that all samples were below NMOCD regulatory criterion for the Site.

Due to the presence of concrete pedestals (i.e., supports for the flare and adjacent pipelines) inside the release area, these areas were not excavated. To ensure complete removal of impacted soil from the site, areas next to concrete pedestals were vertically delineated. On January 11<sup>th</sup>, 2024, NTGE was on site to install vertical deferral sample points (DS-1 and DS-2) and collect samples in 0.5-to-1-foot (ft) intervals from depths ranging from 0 to 4.5 ft bgs with a geotechnical hand auger. The hand auger was decontaminated with Alconox and deionized water between soil borings to prevent cross-contamination. Laboratory reports containing analytical methods and chain-of-custody documents are attached. Analytical results were below NMOCD Table I standards for BTEX, TPH and chloride. Analytical results of deferral samples are included in Table 1.

The final excavation extent, confirmation sample locations and deferral sample locations are shown on Figure 4. Analytical results of the confirmation samples are included in Table 1.

### **Deferral Request**

Devon personnel have expressed that the areas next to the concrete pedestals cannot be excavated due to the presence of facility infrastructure (i.e., concrete supports for the flare and adjacent pipelines) inside the excavation and the associated safety concerns in further encroaching the infrastructure. The infrastructure inside the excavation is shown on Figure 3.

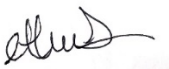
On behalf of Devon, NTG Environmental formally requests a deferral to address the remaining soil in vicinity of impacts (represented by DS-1 and DS-2) at the time of facility decommissioning or in the event infrastructure modifications are made in the area that would alleviate the safety concerns, whichever is sooner. Should the deferral request be granted, a remedial action report documenting excavation expansion and confirmation sampling activities will be prepared and filed following completion of the further actions to be completed at a future date. The release notification, site assessment/characterization, remediation plan, and closure/deferral portion of form C-141 are attached to the front of this report.

If you have any questions regarding this report or need additional information, please contact us at 432-701-2159.



Mr. Mike Bratcher  
January 15, 2024  
Page 4 of 4

Sincerely,  
**NTG Environmental**



Ethan Sessums  
Project Manager



Dmitry Nikanorov  
Project Scientist

Attachments:

Sampling Notifications  
Site Characterization Information  
Tables  
Figures  
Photographic Log  
Laboratory Reports and Chain-of-Custody

## **SAMPLING NOTIFICATIONS**

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**Kenny Han**

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**From:** Ethan Sessums  
**Sent:** Monday, October 2, 2023 11:04 AM  
**To:** Enviro, OCD, EMNRD  
**Cc:** NTG Env Carlsbad  
**Subject:** Sampling Notification

nAPP2319061278	Bloodhound 15 23 27 fee 401	7/9/2023
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NTGE on behalf of DEVON ENERGY PRODUCTION COMPANY will be conducting a confirmation sampling event Wednesday the 4<sup>th</sup> around 12 p.m. MDT continuing throughout the week until the close of business Friday the 6<sup>th</sup>.

Ethan Sessums  
Project Manager  
NTG Environmental New Mexico  
209 W McKay St, Carlsbad, NM 88220  
M: 254-266-5456 W: 432-701-2159  
Email: [esessums@ntglobal.com](mailto:esessums@ntglobal.com)  
<http://www.ntgenvironmental.com/>



## Kenny Han

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**From:** Ethan Sessums  
**Sent:** Thursday, October 12, 2023 9:42 AM  
**To:** Enviro, OCD, EMNRD  
**Cc:** NTG Env Carlsbad  
**Subject:** Sampling Notification

nAPP2319061278      Bloodhound 15 23 27 fee 401    7/9/2023

NTGE on behalf of DEVON ENERGY PRODUCTION COMPANY will be conducting a confirmation sampling event October 16th around 12 p.m. MDT.

Ethan Sessums  
Project Manager  
NTG Environmental New Mexico  
209 W McKay St, Carlsbad, NM 88220  
M: 254-266-5456    W: 432-701-2159  
Email: [esessums@ntglobal.com](mailto:esessums@ntglobal.com)  
<http://www.ntgenvironmental.com/>



**Kenny Han**

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**From:** Ethan Sessums  
**Sent:** Thursday, October 19, 2023 12:59 PM  
**To:** Enviro, OCD, EMNRD  
**Cc:** NTG Env Carlsbad  
**Subject:** Sampling Notification

NTGE on behalf of DEVON will be conducting confirmation sampling the entire week of the 23<sup>rd</sup> starting at 2 p.m. MDT and ending close of business Friday the 27<sup>th</sup>.

nAPP2319061278

Bloodhound 15 23 27 fee 401

Ethan Sessums  
Project Manager  
NTG Environmental New Mexico  
209 W McKay St, Carlsbad, NM 88220  
M: 254-266-5456 W: 432-701-2159  
Email: [esessums@ntglobal.com](mailto:esessums@ntglobal.com)  
<http://www.ntgenvironmental.com/>



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## Kenny Han

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**From:** Kellan Smith  
**Sent:** Thursday, October 26, 2023 11:24 AM  
**To:** Enviro, OCD, EMNRD  
**Cc:** NTG Env Carlsbad  
**Subject:** Sampling Notification - nAPP2319061278

NTGE, on behalf of Devon Energy Production Company (DEVON), will be conducting confirmation sampling at the Bloodhound 15-23-27 Fee #401H (nAPP2319061278) the entire week of October 30<sup>th</sup>, 2023, through November 3<sup>rd</sup>, 2023, starting at 9 a.m. MDT Monday morning and ending at the close of business Friday afternoon.

Incident ID: nAPP2319061278

Thank you!

### Kellan Smith

Project Scientist | **NTG Environmental – Carlsbad, NM**

W: 832.374.0004 | M: 580.682.1889 | [ksmith@ntglobal.com](mailto:ksmith@ntglobal.com) | [www.ntgenvironmental.com](http://www.ntgenvironmental.com)



## **SITE CHARACTERIZATION INFORMATION**

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## NMOCD Closure Criteria

Bloodhound 13-23-27 Fee 401H

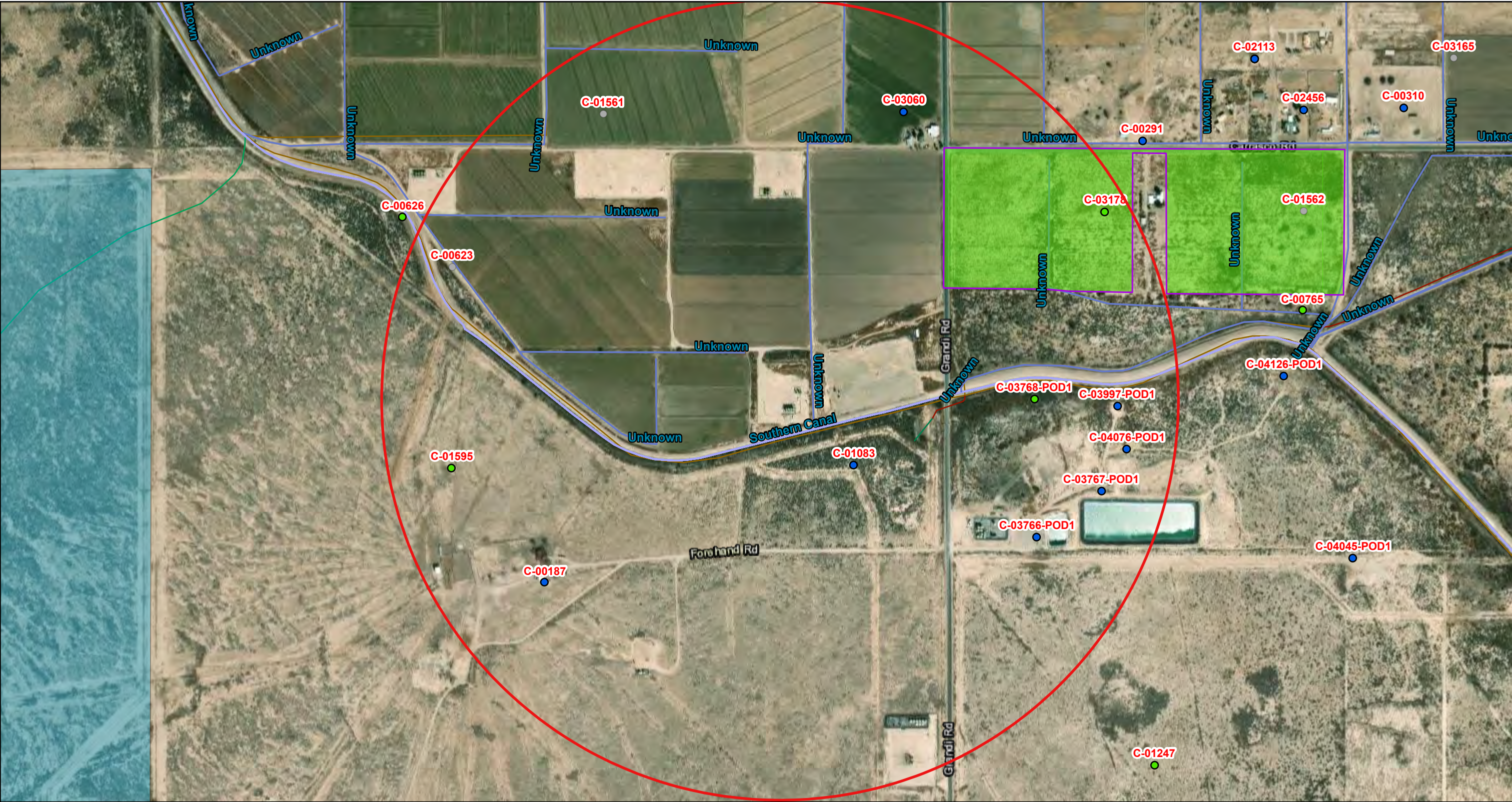
Site Information (19.15.29.11.A (2,3, & 4) NMAC)		Source/Notes
Depth to Groundwater ( ft bgs)	25	Office of the State Engineer (OSE)
Horizontal Distance from All Water Sources Within 0.5 mile (ft)	<300	National Wetlands Inventory (NWS) - continious riverine
Horizontal Distance to Nearest Significant Watercourse (ft)	<300	National Wetlands Inventory (NWS) - continious riverine

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Depth to Groundwater (ft)		Closure Criteria (mg/kg)				
		Chloride*	TPH	GRO + DRO	BTEX	Benzene
< 50	X	600	100	--	50	10
51 - 100		10,000	2,500	1,000	50	10
>100		20,000	2,500	1,000	50	10
Surface Water	Yes/No	in yes, then				
<300 ft from a continuously flowing watercourse or other significant watercourse?	Yes	600	100		50	10
<200 ft from a lakebed, sinkhole, or playa lake?	No					
Water Well or Water Source						
<500 ft from a spring or a private, domestic fresh water well used by less than 5 households for domestic or livestock purposes?	No					
<1,000 ft from a fresh water well or spring?	No					
Human and Other Area						
<300 ft from an occupied permanent residence, school, hospital, institution or church?	No					
Within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
<100 ft from a wetland?	No					
Within an area overlying a subsurface mine?	No					
Within an unstable area?	No					
Within a 100 yr floodplain?	No					

\* - numerical limit or background, whichever is greater



# OSE POD Locations Map



8/14/2023, 11:56:40 AM

Override 1

GIS WATERS PODs

Active

Pending

OSE District Boundary

Water Right Regulations

Negative Easement Area

New Mexico State Trust Lands

Both Estates

Conveyances

Canal

Ditch

NHD Flowlines

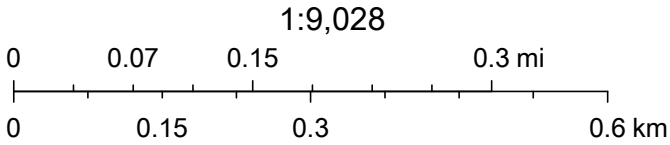
Artificial Path

Canal Ditch

Connector

Pipeline

SiteBoundaries






Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar

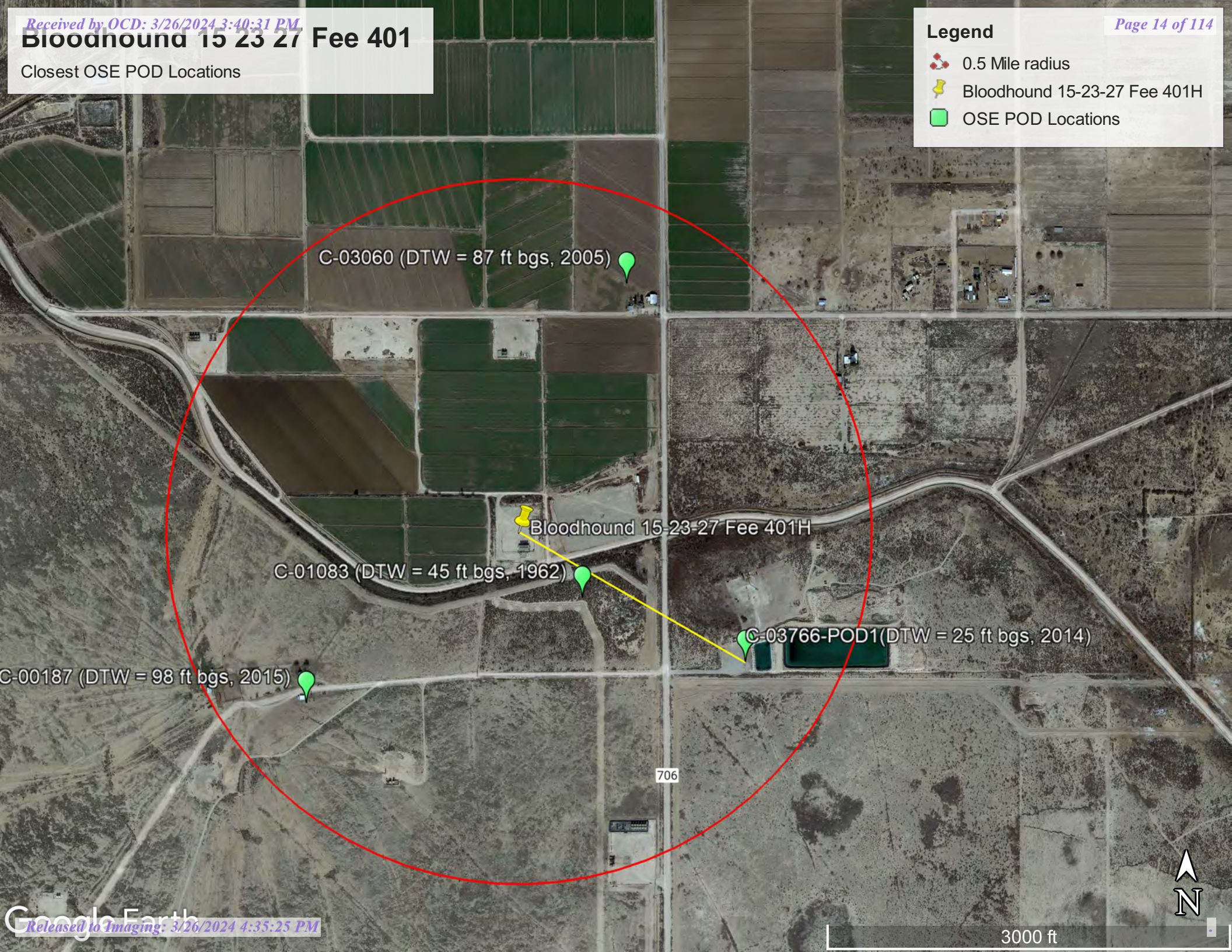


# Bloodhound 15 23 27 Fee 401

Closest OSE POD Locations

## Legend

-  0.5 Mile radius
-  Bloodhound 15-23-27 Fee 401H
-  OSE POD Locations







## WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

**www.ose.state.nm.us**

1. GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER)				OSE FILE NUMBER(S)	
	POD - 1 (C 3766)				C - 3766	
	WELL OWNER NAME(S)				PHONE (OPTIONAL)	
	Jack Wagon, LLC				575-706-4498	
	WELL OWNER MAILING ADDRESS				CITY	STATE ZIP
	8400 Porter Rd				Carlsbad NM	88220
	WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
LATITUDE		32	18	20	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND
LONGITUDE		104	10	03	W	* DATUM REQUIRED: WGS 84
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE						
Grandhi Rd South of Derrick 3 miles						

LICENSE NUMBER <b>1654</b>	NAME OF LICENSED DRILLER <b>John Sieman</b>		NAME OF WELL DRILLING COMPANY <b>Siemen Drilling &amp; Const. LLC</b>				
DRILLING STARTED <b>11/17/14</b>	DRILLING ENDED <b>11/18/14</b>	DEPTH OF COMPLETED WELL (FT) <b>260'-0"</b>	BORE HOLE DEPTH (FT) <b>260'-0"</b>	DEPTH WATER FIRST ENCOUNTERED (FT) <b>135'</b>			
COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) <b>25-0</b>			
DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD <input type="checkbox"/> ADDITIVES - SPECIFY:							
DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
FROM	TO						
<b>0</b>	<b>200</b>	<b>10"</b>	<b>PVC</b>	<b>Certa-Lok</b>	<b>6"</b>	<b>DR-17</b>	<b>B1ANK</b>
<b>200 -</b>	<b>240</b>	<b>10"</b>	<b>PVC</b>	<b>Certa-Lok</b>	<b>6"</b>	<b>DR-17</b>	<b>1032 Screen</b>
<b>240</b>	<b>260</b>	<b>10"</b>	<b>PVC</b>	<b>Certa Lok</b>	<b>6"</b>	<b>PR-17</b>	<b>B1ANK</b>

STATE ENGINEER  
ROSEVILLE NEW JERSEY  
2014 DEC -9 A

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	0					
	20	260	10"	3/8 pea gravel	4 Tons	gravity
	0	20	10"	Bentonite hole plug	8 bags	gravity

FOR OSE INTERNAL USE

FOR USE INTERVAL USE		WR-20 WELL RECORD & LOG (Version 06/08/2012)	
FILE NUMBER	C-3766	POD NUMBER	1
LOCATION	23S.27E.14.1-3.3	TRN NUMBER	551469
			DWD



THE UNIVERSITY OF CHICAGO

STATE ENGINEER OFFICE  
ROSWELL, NEW MEXICO  
2014 DEC 9 11:10:22  
METHOD, N.M.  
O.

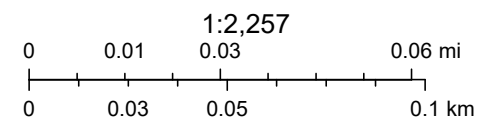


## OCD Well Locations



12/4/2023, 12:59:03 PM

OSE Water PODs    • Oil, Cancelled    Medium    PLSS Second Division  
 • Active    Karst Occurrence Potential    OSW Water Bodys    PLSS First Division  
 Wells - Large Scale    High  
 • Gas, Active    OSE Streams



BLM, OCD, New Mexico Tech, Maxar, Microsoft, Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department.,

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. <http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75>: New Mexico Oil Conservation Division

# National Flood Hazard Layer FIRMMette



104°10'41"W 32°18'45"N



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/24/2023 at 4:18 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

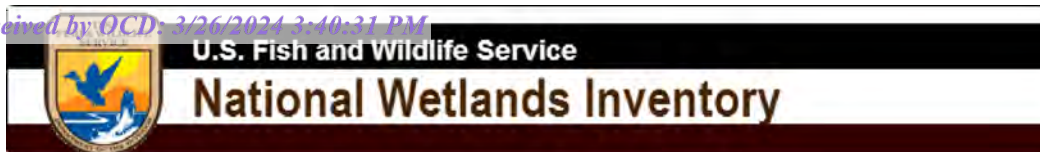
Released to Imaging: 3/26/2024 4:35:25 PM

1:6,000

104°10'4"W 32°18'14"N

Basemap Imagery Source: USGS National Map 2023





bloodhound



July 24, 2023

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

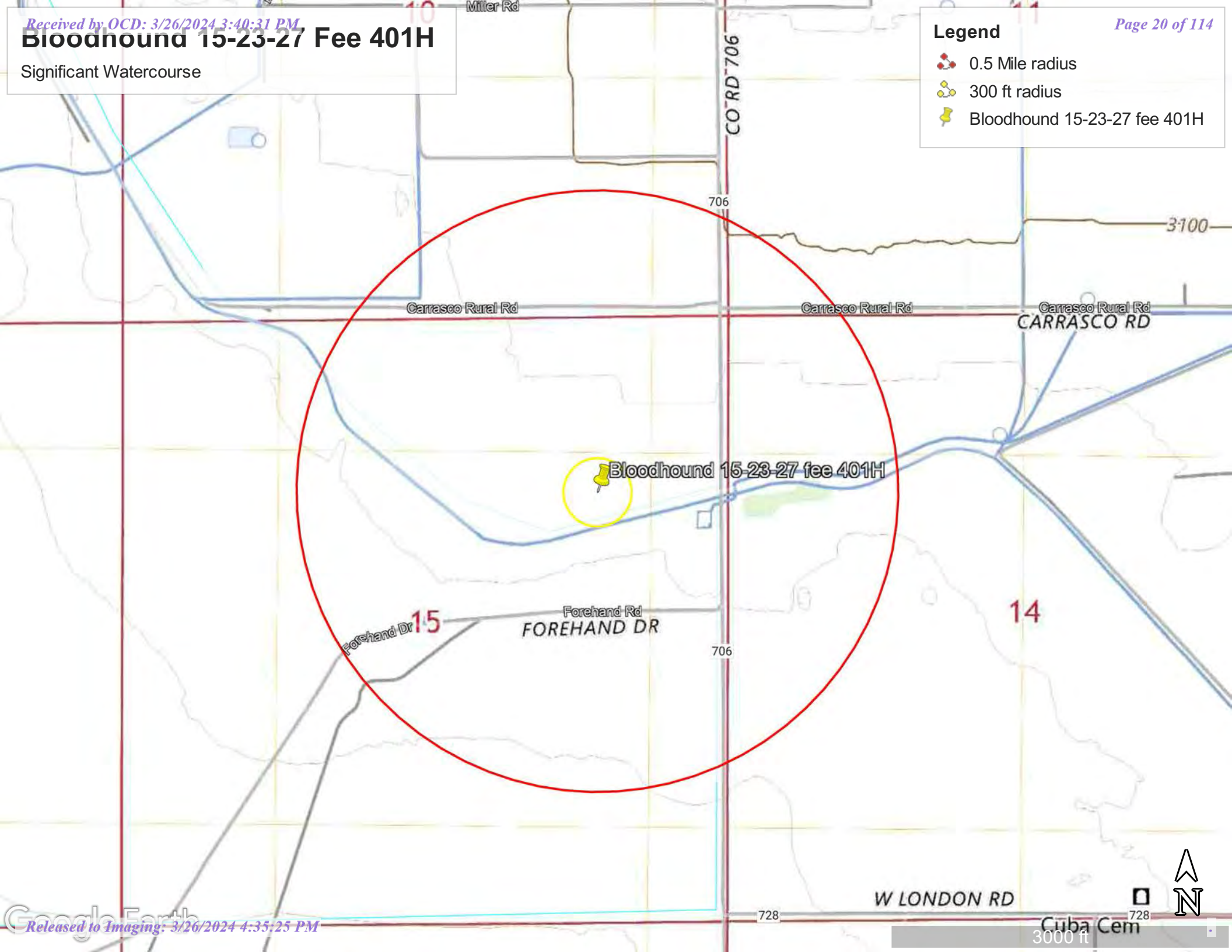
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

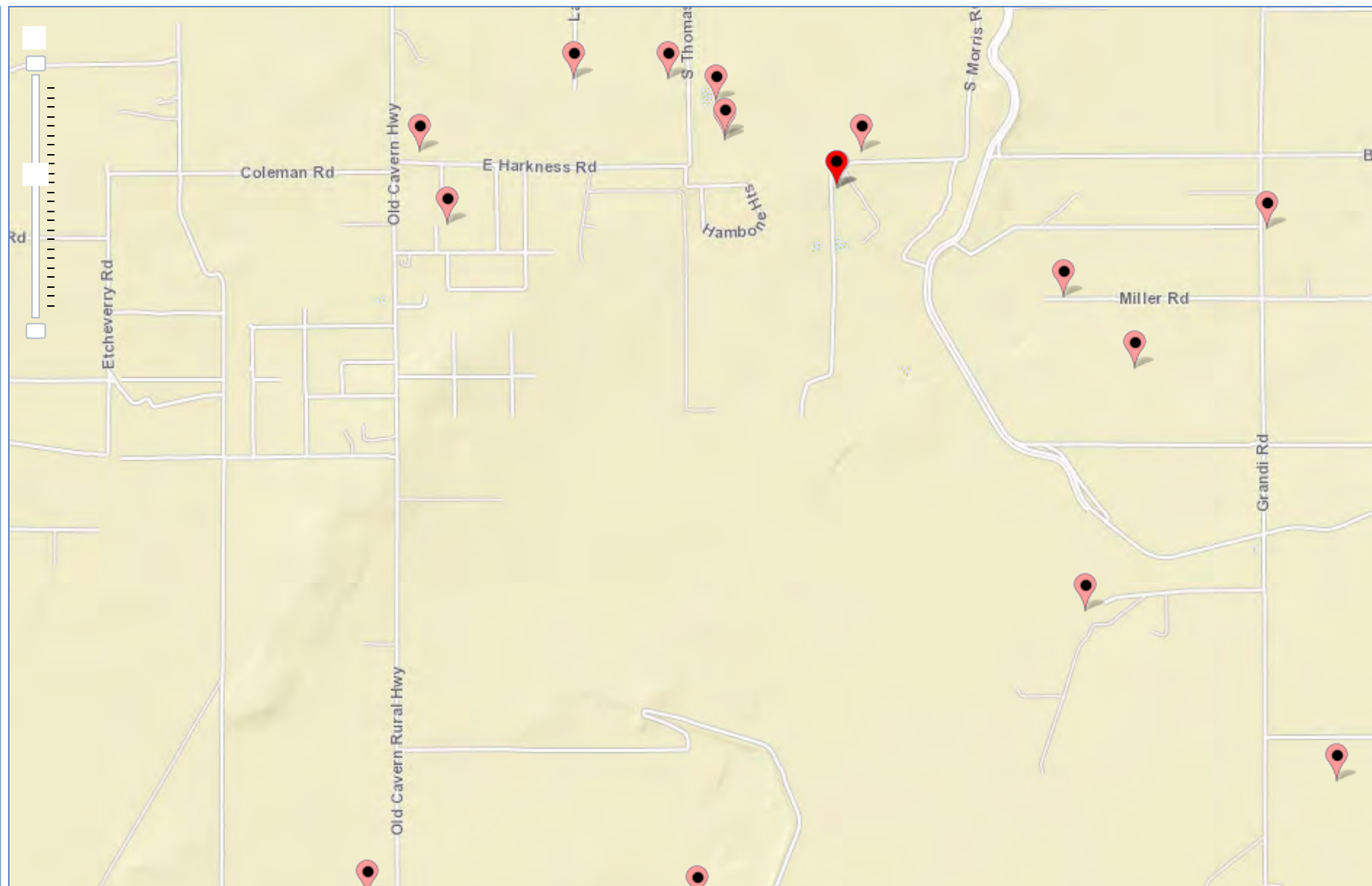


- 📍 0.5 Mile radius
- 📍 300 ft radius
- 📍 Bloodhound 15-23-27 fee 401H





## National Water Information System: Mapper



## **TABLES**

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**Table 1**  
**Summary of Soil Analytical Data - Delineation Samples**  
**Bloodhound 15 23 27 Fee 401**  
**Devon Energy Production Company**  
**Eddy County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)		
			Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg		600 mg/kg
Vertical Delineation Samples														
S-1	7/26/2023	0-0.5'	<0.0250	0.173	0.342	5.27	5.785	91.6	21700	21791.6	8460	30251.6	159	
	7/26/2023	1-1.5'	<0.0250	0.183	0.0766	2.95	3.2096	48.8	5220	5268.8	1950	7218.8	230	
	7/26/2023	2-2.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	208	208	77.9	285.9	570	
	7/26/2023	3-3.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	1290	
	7/26/2023	4-4.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	2020	
Horizontal Delineation Samples														
H-1	7/26/2023	0-0.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	307	
H-2	7/26/2023	0-0.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	60.9	60.9	<20.0	
H-3	7/26/2023	0-0.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	65.3	
H-4	7/26/2023	0-0.5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	959	
Deferral Samples														
DS-1	1/11/2024	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
	1/11/2024	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
	1/11/2024	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
	1/11/2024	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
	1/11/2024	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
DS-2	1/11/2024	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
	1/11/2024	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
	1/11/2024	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
	1/11/2024	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
	1/11/2024	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96	

## Notes:

- Values reported in mg/kg
- < = Value Less Than Reporting Limit (RL)
- Bold indicates Analyte Detected
- BTEX analyses by EPA Method SW 8021B
- TPH analyses by EPA Method SW 8015 Mod.
- GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
- Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
- Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).
- Not Analyzed

SP-1 Sample Point Excavated

**Table 2**  
**Summary of Soil Analytical Data - Confirmation Samples**  
**Bloodhound 15 23 27 Fee 401H**  
**Devon Energy Production Company**  
**Eddy County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Base Confirmation Samples													
CS-1	10/4/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1680
	10/16/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2040
	10/30/2023	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
CS-2	10/4/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2120
	10/16/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1540
	10/30/2023	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
CS-3	10/4/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	58.3	58.3	<10.0	58.3	2000
	10/16/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2760
	10/30/2023	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
CS-4	10/4/2023	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2520
	10/16/2023	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1570
	10/30/2023	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
CS-5	10/30/2023	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
Sidewall Confirmation Samples													
SW-1	10/4/2023	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1460
SW-1A	10/16/2023	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4200
SW-1B	10/30/2023	0-8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SW-2	10/4/2023	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2640
SW-2A	10/16/2023	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3320
SW-2B	10/30/2023	0-8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
SW-3	10/4/2023	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3800
SW-3A	10/16/2023	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2440
SW-3B	10/30/2023	0-8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SW-4	10/4/2023	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2360
SW-4A	10/16/2023	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1340
SW-4B	10/30/2023	0-8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
SW-5	10/30/2023	0-8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SW-6	10/30/2023	0-8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432

## Notes:

- Values reported in mg/kg
- < = Value Less Than Reporting Limit (RL)
- Bold indicates Analyte Detected
- BTEX analyses by EPA Method SW 8021B

**SP-1** Sample Point Excavated

- TPH analyses by EPA Method SW 8015 Mod.
- GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

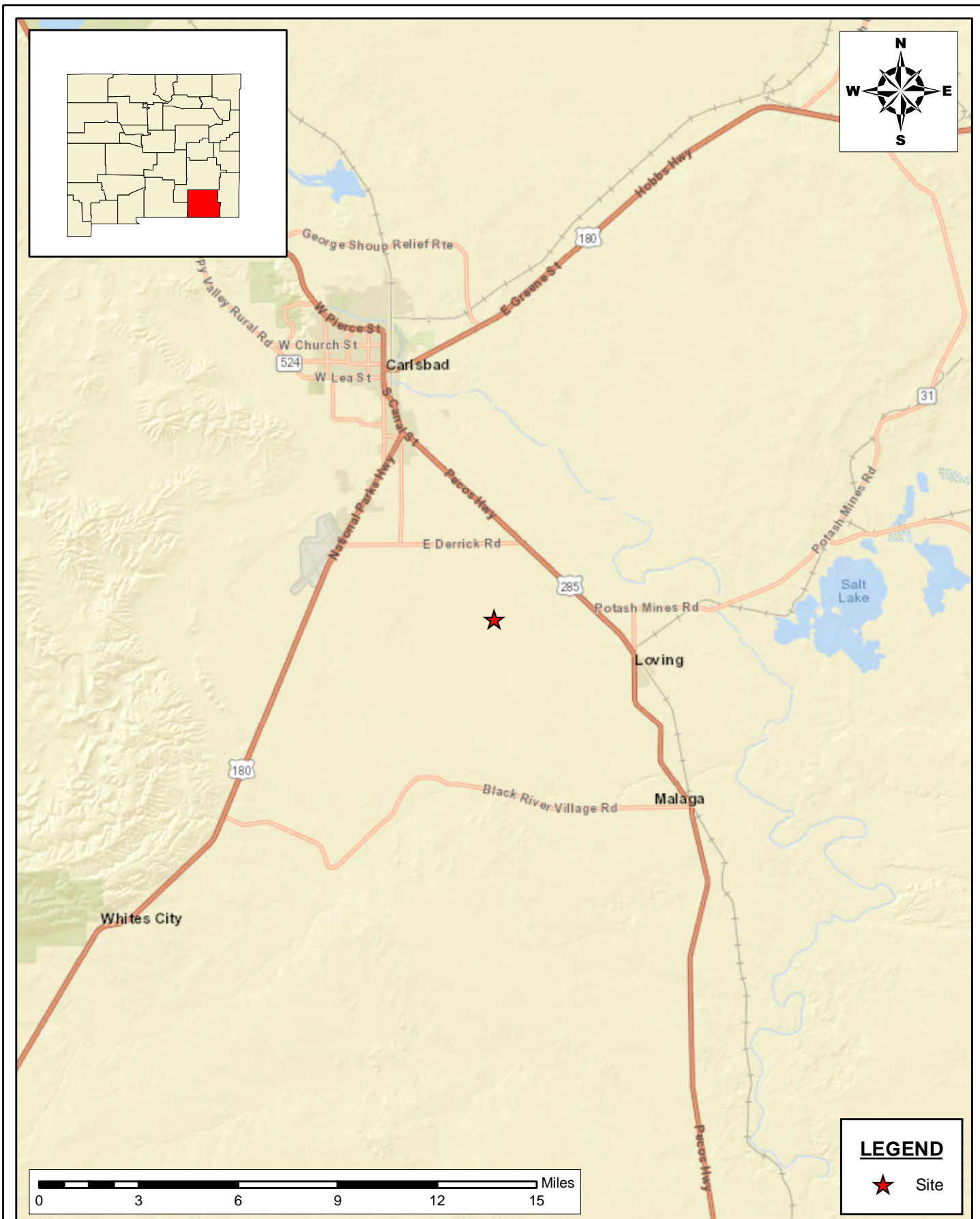
8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

-

## **FIGURES**

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**SITE LOCATION MAP**  
 CLOSURE REPORT  
 BLOODHOUND 15 23 27 FEE #401H  
 DEVON ENERGY PRODUCTION COMPANY  
 EDDY COUNTY, NEW MEXICO

SCALE: As Shown    Date: 7/31/2023    PROJECT #: 237578

**New Tech Global Environmental, LLC**  
 911 Regional Park Drive  
 Houston, Texas 77060  
 T - 281.872.9300  
 F - 281.872.4521  
 Web: www.ntgenviroinmental.com



**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

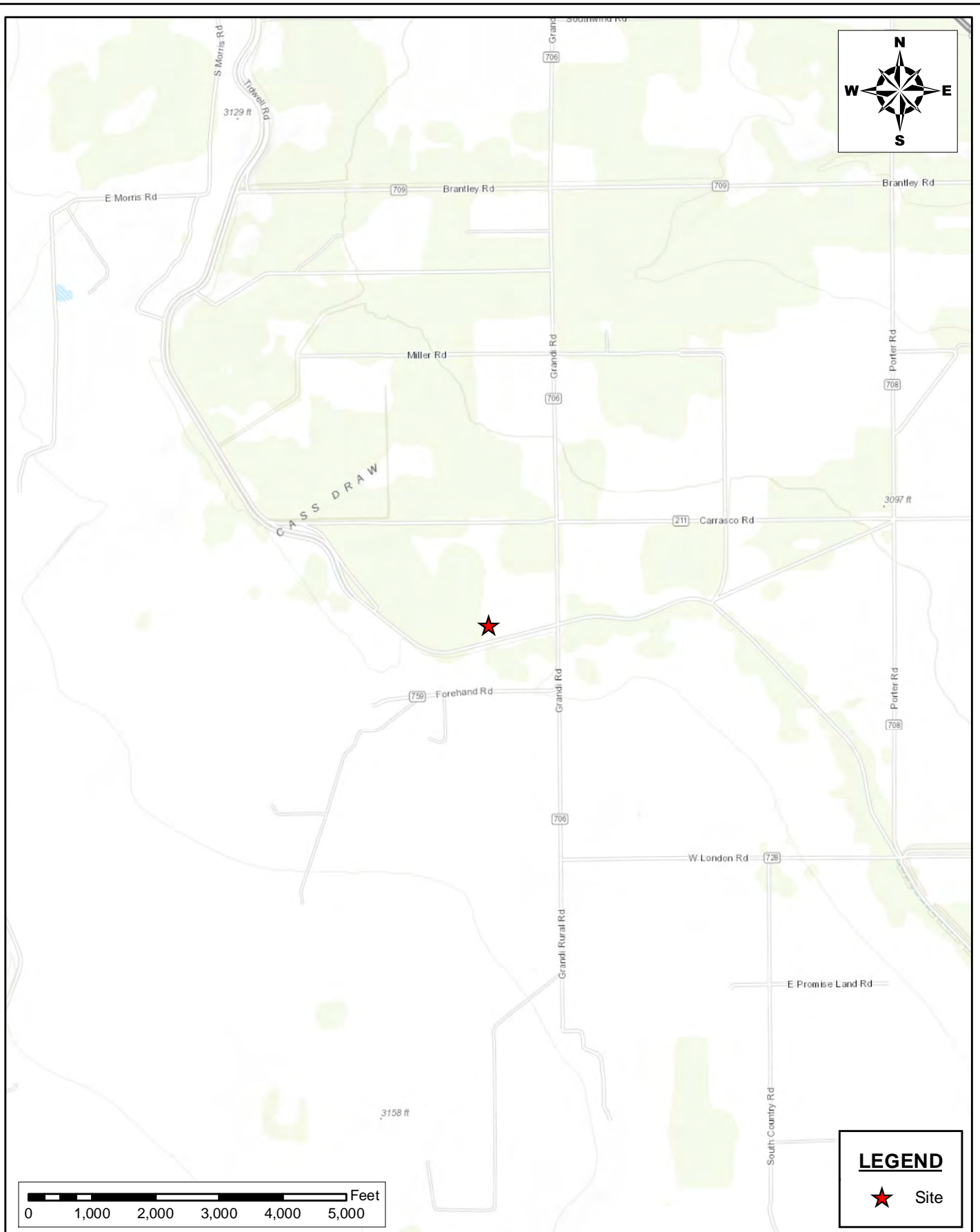
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**FIGURE 1**

SHEET NUMBER:

**1 of 1**

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**TOPOGRAPHIC MAP**  
 CLOSURE REPORT  
 BLOODHOUND 15 23 27 FEE #401H  
 DEVON ENERGY PRODUCTION COMPANY  
 EDDY COUNTY, NEW MEXICO

SCALE: As Shown    Date: 7/31/2023    PROJECT #: 237578

**New Tech Global Environmental, LLC**  
 911 Regional Park Drive  
 Houston, Texas 77060  
 T - 281.872.9300  
 F - 281.872.4521  
 Web: www.ntgenviroinmental.com



**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

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**FIGURE 2**

SHEET NUMBER:

**1 of 1**



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**LEGEND**

- Vertical Sample
- Horizontal Sample
- Area of Concern

**INITIAL ASSESSMENT MAP**  
CLOSURE REPORT  
BLOODHOUND 15 23 27 FEE #401H  
DEVON ENERGY PRODUCTION COMPANY  
EDDY COUNTY, NEW MEXICO

  
**New Tech Global Environmental, LLC**  
911 Regional Park Drive  
Houston, Texas 77060  
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Web: www.ntgenviromental.com

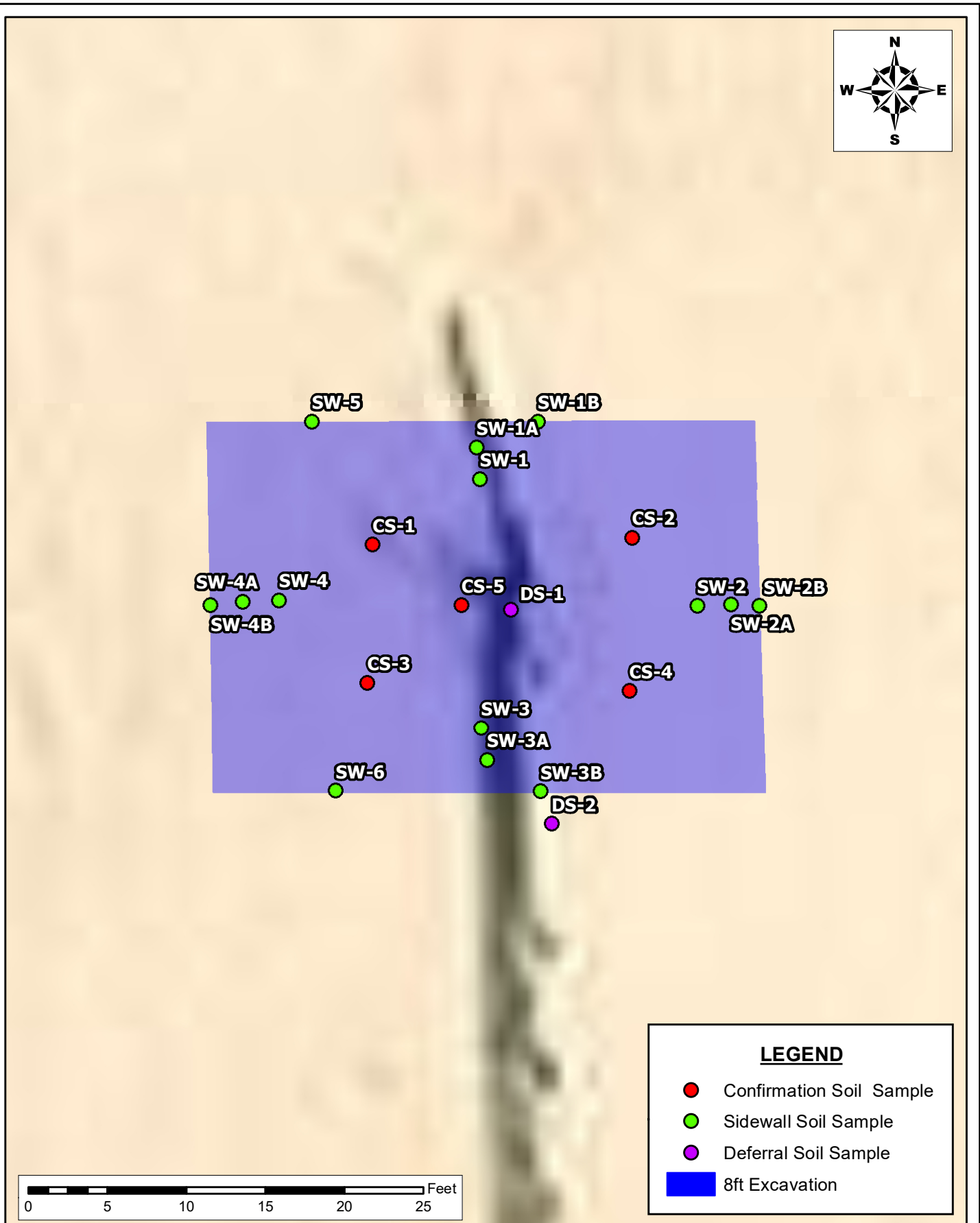
**NOTES:**  
1. Base Image: ESRI Maps & Data 2013  
2. Map Projection: NAD 1983

DRAWING NUMBER:  
**FIGURE 3**  
SHEET NUMBER:  
**1 of 1**

SCALE: As Shown    Date: 11/29/2023    PROJECT #:237578



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**CONFIRMATION SAMPLE MAP**  
CLOSURE REPORT  
DEVON ENERGY PRODUCTION COMPANY  
BLOODHOUND 15 23 27 FEE #401H  
EDDY COUNTY, NEW MEXICO

SCALE: As Shown    Date: 1/12/2024    PROJECT #: 237578

**New Tech Global Environmental, LLC**  
911 Regional Park Drive  
Houston, Texas 77060  
T - 281.872.9300  
F - 281.872.4521  
Web: www.ntgenviroinmental.com



**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

DRAWING NUMBER:

**FIGURE 4**

SHEET NUMBER:

**1 of 1**

## **PHOTOGRAPHIC LOG**

---

## PHOTOGRAPHIC LOG

### Devon Energy Production Company

**Photograph No. 1**

**Facility:** Bloodhound 15 23 27 Fee #401H

**County:** Eddy County, New Mexico

**Description:**  
Area of Concern

**Photograph No. 2**

**Facility:** Bloodhound 15 23 27 Fee #401H

**County:** Eddy County, New Mexico

**Description:**  
Area of Concern

**Photograph No. 3**

**Facility:** Bloodhound 15 23 27 Fee #401H

**County:** Eddy County, New Mexico

**Description:**  
Area of Concern





## PHOTOGRAPHIC LOG

### Devon Energy Production Company

**Photograph No. 4**

**Facility:** Bloodhound 15 23 27 Fee #401H

**County:** Eddy County, New Mexico

**Description:**  
Area of Concern

**Photograph No. 5**

**Facility:** Bloodhound 15 23 27 Fee #401H

**County:** Eddy County, New Mexico

**Description:**  
Area of Concern

**Photograph No. 6**

**Facility:** Bloodhound 15 23 27 Fee #401H

**County:** Eddy County, New Mexico

**Description:**  
View of the excavation





## PHOTOGRAPHIC LOG

### Devon Energy Production Company

**Photograph No. 7**

**Facility:** Bloodhound 15 23 27 Fee #401H

**County:** Eddy County, New Mexico

**Description:**  
View of the excavation

**Photograph No. 8**

**Facility:** Bloodhound 15 23 27 Fee #401H

**County:** Eddy County, New Mexico

**Description:**  
View of the excavation

**Photograph No. 9**

**Facility:** Bloodhound 15 23 27 Fee #401H

**County:** Eddy County, New Mexico

**Description:**  
View of the excavation





## PHOTOGRAPHIC LOG

### Devon Energy Production Company

**Photograph No. 10**

**Facility:** Bloodhound 15 23 27 Fee #401H

**County:** Eddy County, New Mexico

**Description:**  
View of the excavation

**Photograph No. 11**

**Facility:** Bloodhound 15 23 27 Fee #401H

**County:** Eddy County, New Mexico

**Description:**  
View of the excavation

**Photograph No. 12**

**Facility:** Bloodhound 15 23 27 Fee #401H

**County:** Eddy County, New Mexico

**Description:**  
View of the excavation



## PHOTOGRAPHIC LOG

### Devon Energy Production Company

**Photograph No. 13**

**Facility:** Bloodhound 15 23 27 Fee #401H

**County:** Eddy County, New Mexico

**Description:**  
View of the excavation

**Photograph No. 14**

**Facility:** Bloodhound 15 23 27 Fee #401H

**County:** Eddy County, New Mexico

**Description:**  
View of the excavation

**Photograph No. 15**

**Facility:** Bloodhound 15 23 27 Fee #401H

**County:** Eddy County, New Mexico

**Description:**  
View of the excavation





## PHOTOGRAPHIC LOG

### Devon Energy Production Company

**Photograph No. 16**

**Facility:** Bloodhound 15 23 27 Fee #401H

**County:** Eddy County, New Mexico

**Description:**  
Backfilled excavation

**Photograph No. 17**

**Facility:** Bloodhound 15 23 27 Fee #401H

**County:** Eddy County, New Mexico

**Description:**  
Backfilled excavation

**Photograph No. 18**

**Facility:** Bloodhound 15 23 27 Fee #401H

**County:** Eddy County, New Mexico

**Description:**  
Backfilled excavation





## **LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS**

Report to:  
Ethan Sessums



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

NTG-New Tech Global Environmental

Project Name: Bloodhound 15 23 27 Fee 401

Work Order: E307167

Job Number: 01058-0007

Received: 7/28/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
8/3/23

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 8/3/23

Ethan Sessums  
911 Regional Park Dr.  
Houston, TX 77060



Project Name: Bloodhound 15 23 27 Fee 401  
Workorder: E307167  
Date Received: 7/28/2023 6:00:00AM

Ethan Sessums,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/28/2023 6:00:00AM, under the Project Name: Bloodhound 15 23 27 Fee 401.

The analytical test results summarized in this report with the Project Name: Bloodhound 15 23 27 Fee 401 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
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**Raina Schwanz**  
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**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

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

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
S-1 (0-0.5')	5
S-1 (1-1.5')	6
S-1 (2-2.5')	7
S-1 (3-3.5')	8
S-1 (4-4.5')	9
H-1	10
H-2	11
H-3	12
H-4	13
QC Summary Data	14
QC - Volatile Organics by EPA 8021B	14
QC - Nonhalogenated Organics by EPA 8015D - GRO	15
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	16
QC - Anions by EPA 300.0/9056A	17
Definitions and Notes	18
Chain of Custody etc.	19

Sample Summary

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Bloodhound 15 23 27 Fee 401 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 08/03/23 12:03
---	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1 (0-0.5')	E307167-01A	Soil	07/26/23	07/28/23	Glass Jar, 4 oz.
S-1 (1-1.5')	E307167-02A	Soil	07/26/23	07/28/23	Glass Jar, 4 oz.
S-1 (2-2.5')	E307167-03A	Soil	07/26/23	07/28/23	Glass Jar, 4 oz.
S-1 (3-3.5')	E307167-04A	Soil	07/26/23	07/28/23	Glass Jar, 4 oz.
S-1 (4-4.5')	E307167-05A	Soil	07/26/23	07/28/23	Glass Jar, 4 oz.
H-1	E307167-06A	Soil	07/26/23	07/28/23	Glass Jar, 4 oz.
H-2	E307167-07A	Soil	07/26/23	07/28/23	Glass Jar, 4 oz.
H-3	E307167-08A	Soil	07/26/23	07/28/23	Glass Jar, 4 oz.
H-4	E307167-09A	Soil	07/26/23	07/28/23	Glass Jar, 4 oz.



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Bloodhound 15 23 27 Fee 401  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
8/3/2023 12:03:19PM

## S-1 (0-0.5')

## E307167-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330120	
Benzene	ND	0.0250	1	07/28/23	08/01/23	
Ethylbenzene	0.342	0.0250	1	07/28/23	08/01/23	
Toluene	0.173	0.0250	1	07/28/23	08/01/23	
o-Xylene	1.41	0.0250	1	07/28/23	08/01/23	
p,m-Xylene	3.86	0.0500	1	07/28/23	08/01/23	
Total Xylenes	5.27	0.0250	1	07/28/23	08/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	126 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330120	
Gasoline Range Organics (C6-C10)	91.6	20.0	1	07/28/23	08/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.1 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331005	
Diesel Range Organics (C10-C28)	21700	2500	100	07/31/23	08/02/23	
Oil Range Organics (C28-C36)	8460	5000	100	07/31/23	08/02/23	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		07/31/23	08/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331010	
Chloride	159	20.0	1	07/31/23	07/31/23	



## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Bloodhound 15 23 27 Fee 401  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
8/3/2023 12:03:19PM

## S-1 (1-1.5')

## E307167-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330120
Benzene	ND	0.0250	1	07/28/23	08/01/23	
Ethylbenzene	<b>0.183</b>	0.0250	1	07/28/23	08/01/23	
Toluene	<b>0.0766</b>	0.0250	1	07/28/23	08/01/23	
o-Xylene	<b>0.752</b>	0.0250	1	07/28/23	08/01/23	
p,m-Xylene	<b>2.20</b>	0.0500	1	07/28/23	08/01/23	
Total Xylenes	<b>2.95</b>	0.0250	1	07/28/23	08/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		110 %	70-130	07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330120
Gasoline Range Organics (C6-C10)	<b>48.8</b>	20.0	1	07/28/23	08/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.0 %	70-130	07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2331005
Diesel Range Organics (C10-C28)	<b>5220</b>	250	10	07/31/23	08/02/23	
Oil Range Organics (C28-C36)	<b>1950</b>	500	10	07/31/23	08/02/23	
<i>Surrogate: n-Nonane</i>						
		131 %	50-200	07/31/23	08/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2331010
Chloride	<b>230</b>	20.0	1	07/31/23	07/31/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Bloodhound 15 23 27 Fee 401  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
8/3/2023 12:03:19PM

## S-1 (2-2.5')

## E307167-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330120
Benzene	ND	0.0250	1	07/28/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/28/23	08/01/23	
Toluene	ND	0.0250	1	07/28/23	08/01/23	
o-Xylene	ND	0.0250	1	07/28/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/28/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/28/23	08/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330120
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	08/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.4 %	70-130	07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2331005
Diesel Range Organics (C10-C28)	208	25.0	1	07/31/23	08/02/23	
Oil Range Organics (C28-C36)	77.9	50.0	1	07/31/23	08/02/23	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	07/31/23	08/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2331010
Chloride	570	20.0	1	07/31/23	08/02/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Bloodhound 15 23 27 Fee 401 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 8/3/2023 12:03:19PM
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S-1 (3-3.5')  
E307167-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330120	
Benzene	ND	0.0250	1	07/28/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/28/23	08/01/23	
Toluene	ND	0.0250	1	07/28/23	08/01/23	
o-Xylene	ND	0.0250	1	07/28/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/28/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/28/23	08/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.7 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	08/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	81.6 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331005	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/23	08/02/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/23	08/02/23	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		07/31/23	08/02/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331010	
Chloride	1290	20.0	1	07/31/23	08/02/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Bloodhound 15 23 27 Fee 401 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 8/3/2023 12:03:19PM
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S-1 (4-4.5')  
E307167-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330120	
Benzene	ND	0.0250	1	07/28/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/28/23	08/01/23	
Toluene	ND	0.0250	1	07/28/23	08/01/23	
o-Xylene	ND	0.0250	1	07/28/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/28/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/28/23	08/01/23	
Surrogate: 4-Bromochlorobenzene-PID	98.5 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	08/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	82.7 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2331005	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/23	07/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/23	07/31/23	
Surrogate: n-Nonane	107 %	50-200		07/31/23	07/31/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2331010	
Chloride	2020	20.0	1	07/31/23	08/02/23	





## Sample Data

NTG-New Tech Global Environmental  
911 Regional Park Dr.  
Houston TX, 77060

Project Name: Bloodhound 15 23 27 Fee 401  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
8/3/2023 12:03:19PM

## H-1

## E307167-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330120	
Benzene	ND	0.0250	1	07/28/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/28/23	08/01/23	
Toluene	ND	0.0250	1	07/28/23	08/01/23	
o-Xylene	ND	0.0250	1	07/28/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/28/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/28/23	08/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.0 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	08/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.0 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331005	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/23	07/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/23	07/31/23	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		07/31/23	07/31/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331010	
Chloride	307	40.0	2	07/31/23	08/02/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Bloodhound 15 23 27 Fee 401 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 8/3/2023 12:03:19PM
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H-2

E307167-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330120
Benzene	ND	0.0250	1	07/28/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/28/23	08/01/23	
Toluene	ND	0.0250	1	07/28/23	08/01/23	
o-Xylene	ND	0.0250	1	07/28/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/28/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/28/23	08/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.7 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330120
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	08/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	81.7 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2331005
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/23	07/31/23	
Oil Range Organics (C28-C36)	60.9	50.0	1	07/31/23	07/31/23	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		07/31/23	07/31/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2331010
Chloride	ND	20.0	1	07/31/23	08/02/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Bloodhound 15 23 27 Fee 401 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 8/3/2023 12:03:19PM
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H-3

E307167-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330120	
Benzene	ND	0.0250	1	07/28/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/28/23	08/01/23	
Toluene	ND	0.0250	1	07/28/23	08/01/23	
o-Xylene	ND	0.0250	1	07/28/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/28/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/28/23	08/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.9 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	08/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.9 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331005	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/23	07/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/23	07/31/23	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		07/31/23	07/31/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331010	
Chloride	65.3	20.0	1	07/31/23	08/02/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Bloodhound 15 23 27 Fee 401 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 8/3/2023 12:03:19PM
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H-4

E307167-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330120	
Benzene	ND	0.0250	1	07/28/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/28/23	08/01/23	
Toluene	ND	0.0250	1	07/28/23	08/01/23	
o-Xylene	ND	0.0250	1	07/28/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/28/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/28/23	08/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.9 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330120	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	08/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.5 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2331005	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/23	07/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/23	07/31/23	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		07/31/23	07/31/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2331010	
Chloride	959	20.0	1	07/31/23	08/02/23	





QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Bloodhound 15 23 27 Fee 401 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 8/3/2023 12:03:19PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2330120-BLK1) Prepared: 07/28/23 Analyzed: 08/01/23

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	7.70		8.00		96.3	70-130			

LCS (2330120-BS1) Prepared: 07/28/23 Analyzed: 08/01/23

Benzene	5.28	0.0250	5.00		106	70-130			
Ethylbenzene	5.12	0.0250	5.00		102	70-130			
Toluene	5.31	0.0250	5.00		106	70-130			
o-Xylene	5.29	0.0250	5.00		106	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.3	70-130			

Matrix Spike (2330120-MS1) Source: E307166-03 Prepared: 07/28/23 Analyzed: 08/01/23

Benzene	5.17	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.02	0.0250	5.00	ND	100	61-133			
Toluene	5.20	0.0250	5.00	ND	104	61-130			
o-Xylene	5.18	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131			
Total Xylenes	15.5	0.0250	15.0	ND	104	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.76		8.00		97.0	70-130			

Matrix Spike Dup (2330120-MSD1) Source: E307166-03 Prepared: 07/28/23 Analyzed: 08/01/23

Benzene	5.32	0.0250	5.00	ND	106	54-133	2.78	20	
Ethylbenzene	5.15	0.0250	5.00	ND	103	61-133	2.46	20	
Toluene	5.33	0.0250	5.00	ND	107	61-130	2.56	20	
o-Xylene	5.32	0.0250	5.00	ND	106	63-131	2.81	20	
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131	2.61	20	
Total Xylenes	16.0	0.0250	15.0	ND	106	63-131	2.68	20	
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.3	70-130			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Bloodhound 15 23 27 Fee 401 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported:  8/3/2023 12:03:19PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2330120-BLK1) Prepared: 07/28/23 Analyzed: 08/01/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.63		8.00		82.9	70-130			

LCS (2330120-BS2) Prepared: 07/28/23 Analyzed: 08/01/23

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		91.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.72		8.00		84.0	70-130			

Matrix Spike (2330120-MS2) Source: E307166-03 Prepared: 07/28/23 Analyzed: 08/01/23

Gasoline Range Organics (C6-C10)	45.7	20.0	50.0	ND	91.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.70		8.00		83.7	70-130			

Matrix Spike Dup (2330120-MSD2) Source: E307166-03 Prepared: 07/28/23 Analyzed: 08/01/23

Gasoline Range Organics (C6-C10)	47.7	20.0	50.0	ND	95.3	70-130	4.14	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.71		8.00		83.9	70-130			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Bloodhound 15 23 27 Fee 401 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 8/3/2023 12:03:19PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2331005-BLK1)					Prepared: 07/31/23 Analyzed: 07/31/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.2		50.0		102	50-200			

LCS (2331005-BS1)					Prepared: 07/31/23 Analyzed: 07/31/23				
Diesel Range Organics (C10-C28)	266	25.0	250		106	38-132			
Surrogate: n-Nonane	51.9		50.0		104	50-200			

LCS Dup (2331005-BSD1)					Prepared: 07/31/23 Analyzed: 08/01/23				
Diesel Range Organics (C10-C28)	271	25.0	250		108	38-132	2.07	20	
Surrogate: n-Nonane	53.3		50.0		107	50-200			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Bloodhound 15 23 27 Fee 401 Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported:  8/3/2023 12:03:19PM
---	---	--------------------------------------

Anions by EPA 300.0/9056A

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 (2331010-BLK1)					Prepared: 07/31/23 Analyzed: 07/31/23				
Chloride	ND	20.0							
LCS (2331010-BS1)					Prepared: 07/31/23 Analyzed: 07/31/23				
Chloride	261	20.0	250		104	90-110			
Matrix Spike (2331010-MS1)					Source: E307166-01		Prepared: 07/31/23 Analyzed: 07/31/23		
Chloride	333	200	250	ND	133	80-120			M5
Matrix Spike Dup (2331010-MSD1)					Source: E307166-01		Prepared: 07/31/23 Analyzed: 07/31/23		
Chloride	292	200	250	ND	117	80-120	12.9	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

NTG-New Tech Global Environmental	Project Name:	Bloodhound 15 23 27 Fee 401	
911 Regional Park Dr.	Project Number:	01058-0007	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	08/03/23 12:03

- M5      The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The accociated LCS spike recovery was acceptable.
- ND      Analyte NOT DETECTED at or above the reporting limit
- NR      Not Reported
- RPD      Relative Percent Difference
- DNI      Did Not Ignite

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

 Work Order No: E307167  
01058-0007
Page 1 of 1

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Mathews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	402 E Wood Ave	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	254-266-5456	Email:	<u>Wesley.Mathews@devon.com</u>

Work Order Comments	
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting:	Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>
Deliverables:	EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:	Bloodhound 15 23 27 Fee 401	Turn Around		ANALYSIS REQUEST												Preservative Codes					
Project Number:	237578	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code														None: NO	DI Water: H <sub>2</sub> O			
Project Location	Eddy, Co. NM	Due Date:		Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500										HOLD	Cool: Cool	MeOH: Me		
Sampler's Name:	Jordan Tyner	TAT starts the day received by the lab, if received by 4:30pm																HCL: HC	HNO <sub>3</sub> : HN		
PO #	21194613																	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes No															Wet Ice:	Yes No	H <sub>3</sub> PO <sub>3</sub> : HP	
Received Intact:	Yes No	Thermometer ID:																		NaHSO <sub>3</sub> : NABIS	
Cooler Custody Seals:	Yes No N/A	Correction Factor:				Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>															
Sample Custody Seals:	Yes No N/A	Temperature Reading:		4														Zn Acetate+NaOH: Zn			
Total Containers:	9	Corrected Temperature:																NaOH+Ascorbic Acid: SAPC			
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont												Sample Comments			
S-1 (0-0.5')	7/26/2023		X		Grab/	1	X	X	X												
S-1 (1-1.5')	7/26/2023		X		Grab/	1	X	X	X												
S-1 (2-2.5')	7/26/2023		X		Grab/	1	X	X	X												
S-1 (3-3.5')	7/26/2023		X		Grab/	1	X	X	X												
S-1 (4-4.5')	7/26/2023		X		Grab/	1	X	X	X												
H-1	7/26/2023		X		Grab/	1	X	X	X												
H-2	7/26/2023		X		Grab/	1	X	X	X												
H-3	7/26/2023		X		Grab/	1	X	X	X												
H-4	7/26/2023		X		Grab/	1	X	X	X												

 Additional Comments: Bill to the Ethen

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>[Signature]</u>	7-27-23 1030	<u>[Signature]</u>	<u>[Signature]</u>	7-27-23 1030
<u>[Signature]</u>	<u>[Signature]</u>	7-27-23 1730	<u>[Signature]</u>	<u>[Signature]</u>	7/28/23 6:00

## Envirotech Analytical Laboratory

Printed: 7/28/2023 10:25:01AM

## 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:	NTG-New Tech Global Environmental	Date Received:	07/28/23 06:00	Work Order ID:	E307167
Phone:	(281) 872-9300	Date Logged In:	07/27/23 15:48	Logged In By:	Caitlin Mars
Email:	esessums@ntglobal.com	Due Date:	08/03/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/Resolution

Time sampled not provided on COC per client. SRC Email not sent per client request.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 

Sample ID?	Yes
Date/Time Collected?	No
Collectors name?	No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.





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

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October 06, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: BLOODHOUND 13-23-27 FEE 401H

Enclosed are the results of analyses for samples received by the laboratory on 10/04/23 13:21.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/04/2023	Sampling Date:	10/04/2023
Reported:	10/06/2023	Sampling Type:	Soil
Project Name:	BLOODHOUND 13-23-27 FEE 401H	Sampling Condition:	Cool & Intact
Project Number:	237578	Sample Received By:	Shalyn Rodriguez
Project Location:	DEVON - LEA CO NM		

**Sample ID: CS - 1 (5') (H235399-01)**

BTEx 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2023	ND	2.09	104	2.00	0.535	
Toluene*	<0.050	0.050	10/05/2023	ND	2.11	105	2.00	0.401	
Ethylbenzene*	<0.050	0.050	10/05/2023	ND	2.04	102	2.00	0.844	
Total Xylenes*	<0.150	0.150	10/05/2023	ND	6.15	102	6.00	0.385	
Total BTEX	<0.300	0.300	10/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	10/06/2023	ND	448	112	400	3.64	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2023	ND	211	106	200	1.77	
DRO >C10-C28*	<10.0	10.0	10/05/2023	ND	228	114	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	10/05/2023	ND					

Surrogate: 1-Chlorooctane 61.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/04/2023  
 Reported: 10/06/2023  
 Project Name: BLOODHOUND 13-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - LEA CO NM

Sampling Date: 10/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 2 (5') (H235399-02)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/05/2023	ND	2.09	104	2.00	0.535		
Toluene*	<0.050	0.050	10/05/2023	ND	2.11	105	2.00	0.401		
Ethylbenzene*	<0.050	0.050	10/05/2023	ND	2.04	102	2.00	0.844		
Total Xylenes*	<0.150	0.150	10/05/2023	ND	6.15	102	6.00	0.385		
Total BTEx	<0.300	0.300	10/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2120	16.0	10/06/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2023	ND	211	106	200	1.77	
DRO >C10-C28*	<10.0	10.0	10/05/2023	ND	228	114	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	10/05/2023	ND					

Surrogate: 1-Chlorooctane 73.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/04/2023  
 Reported: 10/06/2023  
 Project Name: BLOODHOUND 13-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - LEA CO NM

Sampling Date: 10/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 3 (5') (H235399-03)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/05/2023	ND	2.09	104	2.00	0.535		
Toluene*	<0.050	0.050	10/05/2023	ND	2.11	105	2.00	0.401		
Ethylbenzene*	<0.050	0.050	10/05/2023	ND	2.04	102	2.00	0.844		
Total Xylenes*	<0.150	0.150	10/05/2023	ND	6.15	102	6.00	0.385		
Total BTEx	<0.300	0.300	10/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	10/06/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2023	ND	211	106	200	1.77	
DRO >C10-C28*	58.3	10.0	10/05/2023	ND	228	114	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	10/05/2023	ND					

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/04/2023  
 Reported: 10/06/2023  
 Project Name: BLOODHOUND 13-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - LEA CO NM

Sampling Date: 10/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 4 (5') (H235399-04)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/05/2023	ND	2.09	104	2.00	0.535		
Toluene*	<0.050	0.050	10/05/2023	ND	2.11	105	2.00	0.401		
Ethylbenzene*	<0.050	0.050	10/05/2023	ND	2.04	102	2.00	0.844		
Total Xylenes*	<0.150	0.150	10/05/2023	ND	6.15	102	6.00	0.385		
Total BTEx	<0.300	0.300	10/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2520	16.0	10/06/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2023	ND	211	106	200	1.77	
DRO >C10-C28*	<10.0	10.0	10/05/2023	ND	228	114	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	10/05/2023	ND					

Surrogate: 1-Chlorooctane 77.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/04/2023  
 Reported: 10/06/2023  
 Project Name: BLOODHOUND 13-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - LEA CO NM

Sampling Date: 10/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 1 (0-5') (H235399-05)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2023	ND	2.09	104	2.00	0.535	
Toluene*	<0.050	0.050	10/05/2023	ND	2.11	105	2.00	0.401	
Ethylbenzene*	<0.050	0.050	10/05/2023	ND	2.04	102	2.00	0.844	
Total Xylenes*	<0.150	0.150	10/05/2023	ND	6.15	102	6.00	0.385	
Total BTEx	<0.300	0.300	10/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1460	16.0	10/06/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2023	ND	211	106	200	1.77	
DRO >C10-C28*	<10.0	10.0	10/05/2023	ND	228	114	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	10/05/2023	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/04/2023  
 Reported: 10/06/2023  
 Project Name: BLOODHOUND 13-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - LEA CO NM

Sampling Date: 10/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 2 (0-5') (H235399-06)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/05/2023	ND	2.09	104	2.00	0.535		
Toluene*	<0.050	0.050	10/05/2023	ND	2.11	105	2.00	0.401		
Ethylbenzene*	<0.050	0.050	10/05/2023	ND	2.04	102	2.00	0.844		
Total Xylenes*	<0.150	0.150	10/05/2023	ND	6.15	102	6.00	0.385		
Total BTX	<0.300	0.300	10/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2640	16.0	10/06/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2023	ND	211	106	200	1.77	
DRO >C10-C28*	<10.0	10.0	10/05/2023	ND	228	114	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	10/05/2023	ND					

Surrogate: 1-Chlorooctane 74.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/04/2023  
 Reported: 10/06/2023  
 Project Name: BLOODHOUND 13-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - LEA CO NM

Sampling Date: 10/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 3 (0-5') (H235399-07)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/05/2023	ND	2.09	104	2.00	0.535		
Toluene*	<0.050	0.050	10/05/2023	ND	2.11	105	2.00	0.401		
Ethylbenzene*	<0.050	0.050	10/05/2023	ND	2.04	102	2.00	0.844		
Total Xylenes*	<0.150	0.150	10/05/2023	ND	6.15	102	6.00	0.385		
Total BTX	<0.300	0.300	10/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3800	16.0	10/06/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2023	ND	211	106	200	1.77	
DRO >C10-C28*	<10.0	10.0	10/05/2023	ND	228	114	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	10/05/2023	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/04/2023  
 Reported: 10/06/2023  
 Project Name: BLOODHOUND 13-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - LEA CO NM

Sampling Date: 10/04/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 4 (0-5') (H235399-08)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/05/2023	ND	2.09	104	2.00	0.535	
Toluene*	<0.050	0.050	10/05/2023	ND	2.11	105	2.00	0.401	
Ethylbenzene*	<0.050	0.050	10/05/2023	ND	2.04	102	2.00	0.844	
Total Xylenes*	<0.150	0.150	10/05/2023	ND	6.15	102	6.00	0.385	
Total BTEX	<0.300	0.300	10/05/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2360	16.0	10/06/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2023	ND	211	106	200	1.77	
DRO >C10-C28*	<10.0	10.0	10/05/2023	ND	228	114	200	1.93	
EXT DRO >C28-C36	<10.0	10.0	10/05/2023	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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

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

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>WBE</b>		P.O. # <b>21194613</b>		ANALYSIS REQUEST	
Project Manager: <b>Ethan Sessions</b>		Company: <b>Devon</b>			
Address: <b>2008 W McLaughlin St</b>		Attn: <b>Wadey Matthews</b>			
City: <b>Carlsbad</b>		Address:			
State: <b>NM</b>		City:			
Zip: <b>88220</b>		State:			
Phone #:		Zip:			
Fax #:		Address:			
Project #: <b>237573</b>		Project Owner: <b>Devon</b>			
Project Name: <b>Bloodhound 13-23-27 Fr44H</b>		City:			
Project Location: <b>Leo Co. NH</b>		State:			
Sampler Name: <b>Dmitry Nikovora</b>		Phone #:			
Fax #:		Zip:			
FOR LAB USE ONLY		Matrix		SAMPLING	
Lab I.D. <b>11235399</b>		Sample I.D. <b>CS-1</b>			
Sample I.D. <b>CS-2</b>		Sample I.D. <b>CS-3</b>			
Sample I.D. <b>CS-4</b>		Sample I.D. <b>SW-1</b>			
Sample I.D. <b>SW-2</b>		Sample I.D. <b>SW-3</b>			
Sample I.D. <b>SW-4</b>		Sample I.D. <b>SW-5</b>			
Sample I.D. <b>SW-6</b>		Sample I.D. <b>SW-7</b>			
Sample I.D. <b>SW-8</b>		Sample I.D. <b>SW-9</b>			
Sample I.D. <b>SW-10</b>		Sample I.D. <b>SW-11</b>			
Sample I.D. <b>SW-12</b>		Sample I.D. <b>SW-13</b>			
Sample I.D. <b>SW-14</b>		Sample I.D. <b>SW-15</b>			
Sample I.D. <b>SW-16</b>		Sample I.D. <b>SW-17</b>			
Sample I.D. <b>SW-18</b>		Sample I.D. <b>SW-19</b>			
Sample I.D. <b>SW-20</b>		Sample I.D. <b>SW-21</b>			
Sample I.D. <b>SW-22</b>		Sample I.D. <b>SW-23</b>			
Sample I.D. <b>SW-24</b>		Sample I.D. <b>SW-25</b>			
Sample I.D. <b>SW-26</b>		Sample I.D. <b>SW-27</b>			
Sample I.D. <b>SW-28</b>		Sample I.D. <b>SW-29</b>			
Sample I.D. <b>SW-30</b>		Sample I.D. <b>SW-31</b>			
Sample I.D. <b>SW-32</b>		Sample I.D. <b>SW-33</b>			
Sample I.D. <b>SW-34</b>		Sample I.D. <b>SW-35</b>			
Sample I.D. <b>SW-36</b>		Sample I.D. <b>SW-37</b>			
Sample I.D. <b>SW-38</b>		Sample I.D. <b>SW-39</b>			
Sample I.D. <b>SW-40</b>		Sample I.D. <b>SW-41</b>			
Sample I.D. <b>SW-42</b>		Sample I.D. <b>SW-43</b>			
Sample I.D. <b>SW-44</b>		Sample I.D. <b>SW-45</b>			
Sample I.D. <b>SW-46</b>		Sample I.D. <b>SW-47</b>			
Sample I.D. <b>SW-48</b>		Sample I.D. <b>SW-49</b>			
Sample I.D. <b>SW-50</b>		Sample I.D. <b>SW-51</b>			
Sample I.D. <b>SW-52</b>		Sample I.D. <b>SW-53</b>			
Sample I.D. <b>SW-54</b>		Sample I.D. <b>SW-55</b>			
Sample I.D. <b>SW-56</b>		Sample I.D. <b>SW-57</b>			
Sample I.D. <b>SW-58</b>		Sample I.D. <b>SW-59</b>			
Sample I.D. <b>SW-60</b>		Sample I.D. <b>SW-61</b>			
Sample I.D. <b>SW-62</b>		Sample I.D. <b>SW-63</b>			
Sample I.D. <b>SW-64</b>		Sample I.D. <b>SW-65</b>			
Sample I.D. <b>SW-66</b>		Sample I.D. <b>SW-67</b>			
Sample I.D. <b>SW-68</b>		Sample I.D. <b>SW-69</b>			
Sample I.D. <b>SW-70</b>		Sample I.D. <b>SW-71</b>			
Sample I.D. <b>SW-72</b>		Sample I.D. <b>SW-73</b>			
Sample I.D. <b>SW-74</b>		Sample I.D. <b>SW-75</b>			
Sample I.D. <b>SW-76</b>		Sample I.D. <b>SW-77</b>			
Sample I.D. <b>SW-78</b>		Sample I.D. <b>SW-79</b>			
Sample I.D. <b>SW-80</b>		Sample I.D. <b>SW-81</b>			
Sample I.D. <b>SW-82</b>		Sample I.D. <b>SW-83</b>			
Sample I.D. <b>SW-84</b>		Sample I.D. <b>SW-85</b>			
Sample I.D. <b>SW-86</b>		Sample I.D. <b>SW-87</b>			
Sample I.D. <b>SW-88</b>		Sample I.D. <b>SW-89</b>			
Sample I.D. <b>SW-90</b>		Sample I.D. <b>SW-91</b>			
Sample I.D. <b>SW-92</b>		Sample I.D. <b>SW-93</b>			
Sample I.D. <b>SW-94</b>		Sample I.D. <b>SW-95</b>			
Sample I.D. <b>SW-96</b>		Sample I.D. <b>SW-97</b>			
Sample I.D. <b>SW-98</b>		Sample I.D. <b>SW-99</b>			
Sample I.D. <b>SW-100</b>		Sample I.D. <b>SW-101</b>			
Sample I.D. <b>SW-102</b>		Sample I.D. <b>SW-103</b>			
Sample I.D. <b>SW-104</b>		Sample I.D. <b>SW-105</b>			
Sample I.D. <b>SW-106</b>		Sample I.D. <b>SW-107</b>			
Sample I.D. <b>SW-108</b>		Sample I.D. <b>SW-109</b>			
Sample I.D. <b>SW-110</b>		Sample I.D. <b>SW-111</b>			
Sample I.D. <b>SW-112</b>		Sample I.D. <b>SW-113</b>			
Sample I.D. <b>SW-114</b>		Sample I.D. <b>SW-115</b>			
Sample I.D. <b>SW-116</b>		Sample I.D. <b>SW-117</b>			
Sample I.D. <b>SW-118</b>		Sample I.D. <b>SW-119</b>			
Sample I.D. <b>SW-120</b>		Sample I.D. <b>SW-121</b>			
Sample I.D. <b>SW-122</b>		Sample I.D. <b>SW-123</b>			
Sample I.D. <b>SW-124</b>		Sample I.D. <b>SW-125</b>			
Sample I.D. <b>SW-126</b>		Sample I.D. <b>SW-127</b>			
Sample I.D. <b>SW-128</b>		Sample I.D. <b>SW-129</b>			
Sample I.D. <b>SW-130</b>		Sample I.D. <b>SW-131</b>			
Sample I.D. <b>SW-132</b>		Sample I.D. <b>SW-133</b>			
Sample I.D. <b>SW-134</b>		Sample I.D. <b>SW-135</b>			
Sample I.D. <b>SW-136</b>		Sample I.D. <b>SW-137</b>			
Sample I.D. <b>SW-138</b>		Sample I.D. <b>SW-139</b>			
Sample I.D. <b>SW-140</b>		Sample I.D. <b>SW-141</b>			
Sample I.D. <b>SW-142</b>		Sample I.D. <b>SW-143</b>			
Sample I.D. <b>SW-144</b>		Sample I.D. <b>SW-145</b>			
Sample I.D. <b>SW-146</b>		Sample I.D. <b>SW-147</b>			
Sample I.D. <b>SW-148</b>		Sample I.D. <b>SW-149</b>			
Sample I.D. <b>SW-150</b>		Sample I.D. <b>SW-151</b>			
Sample I.D. <b>SW-152</b>		Sample I.D. <b>SW-153</b>			
Sample I.D. <b>SW-154</b>		Sample I.D. <b>SW-155</b>			
Sample I.D. <b>SW-156</b>		Sample I.D. <b>SW-157</b>			
Sample I.D. <b>SW-158</b>		Sample I.D. <b>SW-159</b>			
Sample I.D. <b>SW-160</b>		Sample I.D. <b>SW-161</b>			
Sample I.D. <b>SW-162</b>		Sample I.D. <b>SW-163</b>			
Sample I.D. <b>SW-164</b>		Sample I.D. <b>SW-165</b>			
Sample I.D. <b>SW-166</b>		Sample I.D. <b>SW-167</b>			
Sample I.D. <b>SW-168</b>		Sample I.D. <b>SW-169</b>			
Sample I.D. <b>SW-170</b>		Sample I.D. <b>SW-171</b>			
Sample I.D. <b>SW-172</b>		Sample I.D. <b>SW-173</b>			
Sample I.D. <b>SW-174</b>		Sample I.D. <b>SW-175</b>			
Sample I.D. <b>SW-176</b>		Sample I.D. <b>SW-177</b>			
Sample I.D. <b>SW-178</b>		Sample I.D. <b>SW-179</b>			
Sample I.D. <b>SW-180</b>		Sample I.D. <b>SW-181</b>			
Sample I.D. <b>SW-182</b>		Sample I.D. <b>SW-183</b>			
Sample I.D. <b>SW-184</b>		Sample I.D. <b>SW-185</b>			
Sample I.D. <b>SW-186</b>		Sample I.D. <b>SW-187</b>			
Sample I.D. <b>SW-188</b>		Sample I.D. <b>SW-189</b>			
Sample I.D. <b>SW-190</b>		Sample I.D. <b>SW-191</b>			
Sample I.D. <b>SW-192</b>		Sample I.D. <b>SW-193</b>			
Sample I.D. <b>SW-194</b>		Sample I.D. <b>SW-195</b>			
Sample I.D. <b>SW-196</b>		Sample I.D. <b>SW-197</b>			
Sample I.D. <b>SW-198</b>		Sample I.D. <b>SW-199</b>			
Sample I.D. <b>SW-200</b>		Sample I.D. <b>SW-201</b>			
Sample I.D. <b>SW-202</b>		Sample I.D. <b>SW-203</b>			
Sample I.D. <b>SW-204</b>		Sample I.D. <b>SW-205</b>			
Sample I.D. <b>SW-206</b>		Sample I.D. <b>SW-207</b>			
Sample I.D. <b>SW-208</b>		Sample I.D. <b>SW-209</b>			
Sample I.D. <b>SW-210</b>		Sample I.D. <b>SW-211</b>			
Sample I.D. <b>SW-212</b>		Sample I.D. <b>SW-213</b>			
Sample I.D. <b>SW-214</b>		Sample I.D. <b>SW-215</b>			
Sample I.D. <b>SW-216</b>		Sample I.D. <b>SW-217</b>			
Sample I.D. <b>SW-218</b>		Sample I.D. <b>SW-219</b>			
Sample I.D. <b>SW-220</b>		Sample I.D. <b>SW-221</b>			
Sample I.D. <b>SW-222</b>		Sample I.D. <b>SW-223</b>			
Sample I.D. <b>SW-224</b>		Sample I.D. <b>SW-225</b>			
Sample I.D. <b>SW-226</b>		Sample I.D. <b>SW-227</b>			
Sample I.D. <b>SW-228</b>		Sample I.D. <b>SW-229</b>			
Sample I.D. <b>SW-230</b>		Sample I.D. <b>SW-231</b>			
Sample I.D. <b>SW-232</b>		Sample I.D. <b>SW-233</b>			
Sample I.D. <b>SW-234</b>		Sample I.D. <b>SW-235</b>			
Sample I.D. <b>SW-236</b>		Sample I.D. <b>SW-237</b>			
Sample I.D. <b>SW-238</b>		Sample I.D. <b>SW-239</b>			
Sample I.D. <b>SW-240</b>		Sample I.D. <b>SW-241</b>			
Sample I.D. <b>SW-242</b>		Sample I.D. <b>SW-243</b>			
Sample I.D. <b>SW-244</b>		Sample I.D. <b>SW-245</b>			
Sample I.D. <b>SW-246</b>		Sample I.D. <b>SW-247</b>			
Sample I.D. <b>SW-248</b>		Sample I.D. <b>SW-249</b>			
Sample I.D. <b>SW-250</b>		Sample I.D. <b>SW-251</b>			
Sample I.D. <b>SW-252</b>		Sample I.D. <b>SW-253</b>			
Sample I.D. <b>SW-254</b>		Sample I.D. <b>SW-255</b>			
Sample I.D. <b>SW-256</b>		Sample I.D. <b>SW-257</b>			
Sample I.D. <b>SW-258</b>		Sample I.D. <b>SW-259</b>			
Sample I.D. <b>SW-260</b>		Sample I.D. <b>SW-261</b>			
Sample I.D. <b>SW-262</b>		Sample I.D. <b>SW-263</b>			
Sample I.D. <b>SW-264</b>		Sample I.D. <b>SW-265</b>			
Sample I.D. <b>SW-266</b>		Sample I.D. <b>SW-267</b>			
Sample I.D. <b>SW-268</b>		Sample I.D. <b>SW-269</b>			
Sample I.D. <b>SW-270</b>		Sample I.D. <b>SW-271</b>			
Sample I.D. <b>SW-272</b>		Sample I.D. <b>SW-273</b>			
Sample I.D. <b>SW-274</b>		Sample I.D. <b>SW-275</b>			
Sample I.D. <b>SW-276</b>		Sample I.D. <b>SW-277</b>			
Sample I.D. <b>SW-278</b>		Sample I.D. <b>SW-279</b>			
Sample I.D. <b>SW-280</b>		Sample I.D. <b>SW-281</b>			
Sample I.D. <b>SW-282</b>		Sample I.D. <b>SW-283</b>			
Sample I.D. <b>SW-284</b>		Sample I.D. <b>SW-285</b>			
Sample I.D. <b>SW-286</b>		Sample I.D. <b>SW-287</b>			
Sample I.D. <b>SW-288</b>		Sample I.D. <b>SW-289</b>			
Sample I.D. <b>SW-290</b>		Sample I.D. <b>SW-291</b>			
Sample I.D. <b>SW-292</b>		Sample I.D. <b>SW-293</b>			
Sample I.D. <b>SW-294</b>		Sample I.D. <b>SW-295</b>			
Sample I.D. <b>SW-296</b>		Sample I.D. <b>SW-297</b>			
Sample I.D. <b>SW-298</b>		Sample I.D. <b>SW-299</b>			
Sample I.D. <b>SW-300</b>		Sample I.D. <b>SW-301</b>			
Sample I.D. <b>SW-302</b>		Sample I.D. <b>SW-303</b>			
Sample I.D. <b>SW-304</b>		Sample I.D. <b>SW-305</b>			
Sample I.D. <b>SW-306</b>		Sample I.D. <b>SW-307</b>			
Sample I.D. <b>SW-308</b>		Sample I.D. <b>SW-309</b>			
Sample I.D. <b>SW-310</b>		Sample I.D. <b>SW-311</b>			
Sample I.D. <b>SW-312</b>		Sample I.D. <b>SW-313</b>			
Sample I.D. <b>SW-314</b>		Sample I.D. <b>SW-315</b>			
Sample I.D. <b>SW-316</b>		Sample I.D. <b>SW-317</b>			
Sample I.D. <b>SW-318</b>		Sample I.D. <b>SW-319</b>			
Sample I.D. <b>SW-320</b>		Sample I.D. <b>SW-321</b>			
Sample I.D. <b>SW-322</b>		Sample I.D. <b>SW-323</b>			
Sample I.D. <b>SW-324</b>		Sample I.D. <b>SW-325</b>			
Sample I.D. <b>SW-326</b>		Sample I.D. <b>SW-327</b>			
Sample I.D. <b>SW-328</b>		Sample I.D. <b>SW-329</b>			
Sample I.D. <b>SW-330</b>		Sample I.D. <b>SW-331</b>			
Sample I.D. <b>SW-332</b>		Sample I.D. <b>SW-333</b>			
Sample I.D. <b>SW-334</b>		Sample I.D. <b>SW-335</b>			
Sample I.D. <b>SW-336</b>		Sample I.D. <b>SW-337</b>			
Sample I.D. <b>SW-338</b>		Sample I.D. <b>SW-339</b>			
Sample I.D. <b>SW-340</b>		Sample I.D. <b>SW-341</b>			
Sample I.D. <b>SW-342</b>		Sample I.D. <b>SW-343</b>			
Sample I.D. <b>SW-344</b>		Sample I.D. <b>SW-345</b>			
Sample I.D. <b>SW-346</b>		Sample I.D. <b>SW-347</b>			
Sample I.D. <b>SW-348</b>		Sample I.D. <b>SW-349</b>			
Sample I.D. <b>SW-350</b>		Sample I.D. <b>SW-351</b>			
Sample I.D. <b>SW-352</b>		Sample I.D. <b>SW-353</b>			
Sample I.D. <b>SW-354</b>		Sample I.D. <b>SW-355</b>			
Sample I.D. <b>SW-356</b>		Sample I.D. <b>SW-357</b>			
Sample I.D. <b>SW-358</b>		Sample I.D. <b>SW-359</b>			
Sample I.D. <b>SW-360</b>		Sample I.D. <b>SW-361</b>			
Sample I.D. <b>SW-362</b>		Sample I.D. <b>SW-363</b>			
Sample I.D. <b>SW-364</b>		Sample I.D. <b>SW-365</b>			
Sample I.D. <b>SW-366</b>		Sample I.D. <b>SW-367</b>			
Sample I.D. <b>SW-368</b>		Sample I.D. <b>SW-369</b>			
Sample I.D. <b>SW-370</b>		Sample I.D. <b>SW-371</b>			
Sample I.D. <b>SW-372</b>		Sample I.D. <b>SW-373</b>			
Sample I.D. <b>SW-374</b>		Sample I.D. <b>SW-375</b>			
Sample I.D. <b>SW-376</b>		Sample I.D. <b>SW-377</b>			
Sample I.D. <b>SW-378</b>		Sample I.D. <b>SW-379</b>			
Sample I.D. <b>SW-380</b>		Sample I.D. <b>SW-381</b>			
Sample I.D. <b>SW-382</b>		Sample I.D. <b>SW-383</b>			
Sample I.D. <b>SW-384</b>		Sample I.D. <b>SW-385</b>			
Sample I.D. <b>SW-386</b>		Sample I.D. <b>SW-387</b>			
Sample I.D. <b>SW-388</b>		Sample I.D. <b>SW-389</b>			
Sample I.D. <b>SW-390</b>		Sample I.D. <b>SW-391</b>			
Sample I.D. <b>SW-392</b>		Sample I.D. <b>SW-393</b>			
Sample I.D. <b>SW-394</b>		Sample I.D. <b>SW-395</b>			
Sample I.D. <b>SW-396</b>		Sample I.D. <b>SW-397</b>			
Sample I.D. <b>SW-398</b>		Sample I.D. <b>SW-399</b>			
Sample I.D. <b>SW-400</b>		Sample I.D. <b>SW-401</b>			
Sample I.D. <b>SW-402</b>		Sample I.D. <b>SW-403</b>			
Sample I.D. <b>SW-404</b>		Sample I.D. <b>SW-405</b>			
Sample I.D. <b>SW-406</b>		Sample I.D. <b>SW-407</b>			
Sample I.D. <b>SW-408</b>		Sample I.D. <b>SW-409</b>			
Sample I.D. <b>SW-410</b>		Sample I.D. <b>SW-411</b>			
Sample I.D. <b>SW-412</b>		Sample I.D. <b>SW-413</b>			
Sample I.D. <b>SW-414</b>		Sample I.D. <b>SW-415</b>			
Sample I.D. <b>SW-416</b>		Sample I.D. <b>SW-417</b>			
Sample I.D. <b>SW-418</b> </					



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October 18, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: BLOODHOUND 15-23-27 FEE 401H

Enclosed are the results of analyses for samples received by the laboratory on 10/16/23 15:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/16/2023	Sampling Date:	10/16/2023
Reported:	10/18/2023	Sampling Type:	Soil
Project Name:	BLOODHOUND 15-23-27 FEE 401H	Sampling Condition:	Cool & Intact
Project Number:	237578	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: CS - 1 7' (H235629-01)**

BTEx 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2023	ND	1.85	92.4	2.00	2.26	
Toluene*	<0.050	0.050	10/17/2023	ND	1.84	92.1	2.00	3.60	
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.82	90.9	2.00	5.96	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.30	88.4	6.00	3.89	
Total BTEX	<0.300	0.300	10/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2040	16.0	10/17/2023	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	177	88.3	200	5.27	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	154	77.2	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 72.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.5 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/16/2023  
 Reported: 10/18/2023  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 10/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 2 7' (H235629-02)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2023	ND	1.85	92.4	2.00	2.26	
Toluene*	<0.050	0.050	10/17/2023	ND	1.84	92.1	2.00	3.60	
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.82	90.9	2.00	5.96	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.30	88.4	6.00	3.89	
Total BTEX	<0.300	0.300	10/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1540	16.0	10/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	177	88.3	200	5.27	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	154	77.2	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 64.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 55.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/16/2023  
 Reported: 10/18/2023  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 10/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 3 7' (H235629-03)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2023	ND	1.85	92.4	2.00	2.26	
Toluene*	<0.050	0.050	10/17/2023	ND	1.84	92.1	2.00	3.60	
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.82	90.9	2.00	5.96	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.30	88.4	6.00	3.89	
Total BTX	<0.300	0.300	10/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2760	16.0	10/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	177	88.3	200	5.27	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	154	77.2	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 66.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 57.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/16/2023  
 Reported: 10/18/2023  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 10/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 4 7' (H235629-04)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/17/2023	ND	1.85	92.4	2.00	2.26	
Toluene*	<0.050	0.050	10/17/2023	ND	1.84	92.1	2.00	3.60	
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.82	90.9	2.00	5.96	
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.30	88.4	6.00	3.89	
Total BTEx	<0.300	0.300	10/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1570	16.0	10/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	177	88.3	200	5.27	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	154	77.2	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 65.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 56.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/16/2023  
 Reported: 10/18/2023  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 10/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 1A 0-7' (H235629-05)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/17/2023	ND	1.85	92.4	2.00	2.26		
Toluene*	<0.050	0.050	10/17/2023	ND	1.84	92.1	2.00	3.60		
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.82	90.9	2.00	5.96		
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.30	88.4	6.00	3.89		
Total BTEx	<0.300	0.300	10/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4200	16.0	10/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	177	88.3	200	5.27	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	154	77.2	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 70.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/16/2023	Sampling Date:	10/16/2023
Reported:	10/18/2023	Sampling Type:	Soil
Project Name:	BLOODHOUND 15-23-27 FEE 401H	Sampling Condition:	Cool & Intact
Project Number:	237578	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: SW - 2A 0-7' (H235629-06)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/17/2023	ND	1.85	92.4	2.00	2.26		
Toluene*	<0.050	0.050	10/17/2023	ND	1.84	92.1	2.00	3.60		
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.82	90.9	2.00	5.96		
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.30	88.4	6.00	3.89		
Total BTEX	<0.300	0.300	10/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3320	16.0	10/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	177	88.3	200	5.27		
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	154	77.2	200	3.05		
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND						

Surrogate: 1-Chlorooctane 67.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.5 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/16/2023  
 Reported: 10/18/2023  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 10/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 3A 0-7' (H235629-07)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/17/2023	ND	1.85	92.4	2.00	2.26		
Toluene*	<0.050	0.050	10/17/2023	ND	1.84	92.1	2.00	3.60		
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.82	90.9	2.00	5.96		
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.30	88.4	6.00	3.89		
Total BTEx	<0.300	0.300	10/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2440	16.0	10/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	177	88.3	200	5.27	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	154	77.2	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 68.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/16/2023  
 Reported: 10/18/2023  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 10/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 4A 0-7' (H235629-08)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/17/2023	ND	1.85	92.4	2.00	2.26		
Toluene*	<0.050	0.050	10/17/2023	ND	1.84	92.1	2.00	3.60		
Ethylbenzene*	<0.050	0.050	10/17/2023	ND	1.82	90.9	2.00	5.96		
Total Xylenes*	<0.150	0.150	10/17/2023	ND	5.30	88.4	6.00	3.89		
Total BTEx	<0.300	0.300	10/17/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1340	16.0	10/17/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/16/2023	ND	177	88.3	200	5.27	
DRO >C10-C28*	<10.0	10.0	10/16/2023	ND	154	77.2	200	3.05	
EXT DRO >C28-C36	<10.0	10.0	10/16/2023	ND					

Surrogate: 1-Chlorooctane 68.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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---

### Notes and Definitions

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

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

---

Celey D. Keene, Lab Director/Quality Manager



## Chain of Custody

**Work Order No.:**

H235629

Page 1 of 1

Page 11 of 11


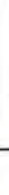
Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Matthews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 W McKay St	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	(432) 701-2159	Email:	Wesley.Matthews@dvn.com

Work Order Comments
<b>Program:</b> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> uperfund <input type="checkbox"/> <b>State of Project:</b> <b>Reporting Level</b> II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/> <b>Deliverables:</b> EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:

[illegible]

Additional Comments:

**Notice:** Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5.00 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		10-14-23 1530			



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

November 01, 2023

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: BLOODHOUND 15-23-27 FEE 401H

Enclosed are the results of analyses for samples received by the laboratory on 10/30/23 14:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	10/30/2023	Sampling Date:	10/30/2023
Reported:	11/01/2023	Sampling Type:	Soil
Project Name:	BLOODHOUND 15-23-27 FEE 401H	Sampling Condition:	Cool & Intact
Project Number:	237578	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: CS - 1 @ 8' (H235930-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/31/2023	ND	1.92	95.8	2.00	3.01	QR-03	
Toluene*	<0.050	0.050	10/31/2023	ND	1.97	98.6	2.00	2.62		
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	2.11	105	2.00	3.26		
Total Xylenes*	<0.150	0.150	10/31/2023	ND	6.33	105	6.00	3.42		
Total BTEX	<0.300	0.300	10/31/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	11/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2023	ND	168	84.1	200	1.54	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	174	86.9	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					

Surrogate: 1-Chlorooctane 68.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/30/2023  
 Reported: 11/01/2023  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 10/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 2 @ 8' (H235930-02)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/31/2023	ND	1.92	95.8	2.00	3.01		
Toluene*	<0.050	0.050	10/31/2023	ND	1.97	98.6	2.00	2.62		
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	2.11	105	2.00	3.26		
Total Xylenes*	<0.150	0.150	10/31/2023	ND	6.33	105	6.00	3.42		
Total BTEx	<0.300	0.300	10/31/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	11/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2023	ND	168	84.1	200	1.54	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	174	86.9	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/30/2023  
 Reported: 11/01/2023  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 10/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 3 @ 8' (H235930-03)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/31/2023	ND	1.92	95.8	2.00	3.01		
Toluene*	<0.050	0.050	10/31/2023	ND	1.97	98.6	2.00	2.62		
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	2.11	105	2.00	3.26		
Total Xylenes*	<0.150	0.150	10/31/2023	ND	6.33	105	6.00	3.42		
Total BTEx	<0.300	0.300	10/31/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	11/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2023	ND	168	84.1	200	1.54	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	174	86.9	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					

Surrogate: 1-Chlorooctane 72.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/30/2023  
 Reported: 11/01/2023  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 10/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 4 @ 8' (H235930-04)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/31/2023	ND	1.92	95.8	2.00	3.01		
Toluene*	<0.050	0.050	10/31/2023	ND	1.97	98.6	2.00	2.62		
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	2.11	105	2.00	3.26		
Total Xylenes*	<0.150	0.150	10/31/2023	ND	6.33	105	6.00	3.42		
Total BTEx	<0.300	0.300	10/31/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	11/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2023	ND	168	84.1	200	1.54	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	174	86.9	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					

Surrogate: 1-Chlorooctane 67.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/30/2023  
 Reported: 11/01/2023  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 10/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 5 @ 8' (H235930-05)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/31/2023	ND	1.92	95.8	2.00	3.01		
Toluene*	<0.050	0.050	10/31/2023	ND	1.97	98.6	2.00	2.62		
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	2.11	105	2.00	3.26		
Total Xylenes*	<0.150	0.150	10/31/2023	ND	6.33	105	6.00	3.42		
Total BTEx	<0.300	0.300	10/31/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	11/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2023	ND	168	84.1	200	1.54	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	174	86.9	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					

Surrogate: 1-Chlorooctane 76.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/30/2023  
 Reported: 11/01/2023  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 10/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 1 B @ 0-8' (H235930-06)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/31/2023	ND	1.92	95.8	2.00	3.01		
Toluene*	<0.050	0.050	10/31/2023	ND	1.97	98.6	2.00	2.62		
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	2.11	105	2.00	3.26		
Total Xylenes*	<0.150	0.150	10/31/2023	ND	6.33	105	6.00	3.42		
Total BTEx	<0.300	0.300	10/31/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	11/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2023	ND	168	84.1	200	1.54	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	174	86.9	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.5 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/30/2023  
 Reported: 11/01/2023  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 10/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 2 B @ 0-8' (H235930-07)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/31/2023	ND	1.92	95.8	2.00	3.01		
Toluene*	<0.050	0.050	10/31/2023	ND	1.97	98.6	2.00	2.62		
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	2.11	105	2.00	3.26		
Total Xylenes*	<0.150	0.150	10/31/2023	ND	6.33	105	6.00	3.42		
Total BTEx	<0.300	0.300	10/31/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	11/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2023	ND	168	84.1	200	1.54	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	174	86.9	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					

Surrogate: 1-Chlorooctane 62.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.3 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/30/2023  
 Reported: 11/01/2023  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 10/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 3 B @ 0-8' (H235930-08)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/31/2023	ND	1.92	95.8	2.00	3.01	
Toluene*	<0.050	0.050	10/31/2023	ND	1.97	98.6	2.00	2.62	
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	2.11	105	2.00	3.26	
Total Xylenes*	<0.150	0.150	10/31/2023	ND	6.33	105	6.00	3.42	
Total BTX	<0.300	0.300	10/31/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	11/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2023	ND	168	84.1	200	1.54	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	174	86.9	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.5 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/30/2023  
 Reported: 11/01/2023  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 10/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 4 B @ 0-8' (H235930-09)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/31/2023	ND	1.92	95.8	2.00	3.01		
Toluene*	<0.050	0.050	10/31/2023	ND	1.97	98.6	2.00	2.62		
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	2.11	105	2.00	3.26		
Total Xylenes*	<0.150	0.150	10/31/2023	ND	6.33	105	6.00	3.42		
Total BTEx	<0.300	0.300	10/31/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	11/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2023	ND	168	84.1	200	1.54	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	174	86.9	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/30/2023  
 Reported: 11/01/2023  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 10/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 5 @ 0-8' (H235930-10)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/31/2023	ND	1.92	95.8	2.00	3.01		
Toluene*	<0.050	0.050	10/31/2023	ND	1.97	98.6	2.00	2.62		
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	2.11	105	2.00	3.26		
Total Xylenes*	<0.150	0.150	10/31/2023	ND	6.33	105	6.00	3.42		
Total BTEx	<0.300	0.300	10/31/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	11/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2023	ND	168	84.1	200	1.54	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	174	86.9	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					

Surrogate: 1-Chlorooctane 69.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/30/2023  
 Reported: 11/01/2023  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 10/30/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 6 @ 0-8' (H235930-11)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/31/2023	ND	1.92	95.8	2.00	3.01		
Toluene*	<0.050	0.050	10/31/2023	ND	1.97	98.6	2.00	2.62		
Ethylbenzene*	<0.050	0.050	10/31/2023	ND	2.11	105	2.00	3.26		
Total Xylenes*	<0.150	0.150	10/31/2023	ND	6.33	105	6.00	3.42		
Total BTEx	<0.300	0.300	10/31/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	11/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/31/2023	ND	168	84.1	200	1.54	
DRO >C10-C28*	<10.0	10.0	10/31/2023	ND	174	86.9	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	10/31/2023	ND					

Surrogate: 1-Chlorooctane 58.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 53.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No:

10355930

Page 1 of 2

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Matthews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 W McKay St	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	(432) 701-2159	Email:	Wesley.Matthews@dvn.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> PRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:		Bloodhound 15-23-27 Fee 401H		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes	
Project Number:	237578	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush	Due Date:	48hr														None: NO	DI Water: H <sub>2</sub> O
Project Location	Eddy Co. NM					TAT starts the day received by the lab, if received by 4:30pm													Cool: Cool	MeOH: Me
Sampler's Name:	Kellan Smith																		HCL: HC	HNO <sub>3</sub> : HN
PO #:	21194613																	H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes	No	Yes	No													H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:	Yes	No	Thermometer ID:		140													NaHSO <sub>4</sub> : NABIS		
Cooler Custody Seals:	Yes	No	Correction Factor:		5.6													Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>		
Sample Custody Seals:	Yes	No	Temperature Reading:		5.6													Zn Acetate+NaOH: Zn		
Total Containers:	11	Corrected Temperature:															NaOH+Ascorbic Acid: SARC			
Sample Identification	Depth	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
CS-1	8'	10/30/2023	12:45	X		Comp	1	X	X	X										
CS-2	8'	10/30/2023	12:46	X		Comp	1	X	X	X										
CS-3	8'	10/30/2023	12:47	X		Comp	1	X	X	X										
CS-4	8'	10/30/2023	12:48	X		Comp	1	X	X	X										
CS-5	8'	10/30/2023	12:49	X		Comp	1	X	X	X										
SW-1B	0-8'	10/30/2023	12:50	X		Comp	1	X	X	X										
SW-2B	0-8'	10/30/2023	12:51	X		Comp	1	X	X	X										
SW-3B	0-8'	10/30/2023	12:52	X		Comp	1	X	X	X										
SW-4B	0-8'	10/30/2023	12:53	X		Comp	1	X	X	X										
SW-5	0-8'	10/30/2023	12:54	X		Comp	1	X	X	X										

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	[Signature]	10-30-23 1450	2		
3			4		
5			6		





## Chain of Custody

**Work Order No:**

4235930

Page 2 of 2



Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Matthews
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 W McKay St	Address:	6488 Seven Rivers Highway
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Artesia, NM 88210
Phone:	(432) 701-2159	Email:	Wesley.Matthews@dev.com

Work Order Comments	
Program: UST/ST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RCRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RCRC <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

[illegible]

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Case #/Time
1			10-30-23 1450			
2						
3						
4						
5						

Revised Date 05/01/2020 Revw. 2020.





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

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January 15, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: BLOODHOUND 15-23-27 FEE 401H

Enclosed are the results of analyses for samples received by the laboratory on 01/11/24 13:13.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	01/11/2024	Sampling Date:	01/11/2024
Reported:	01/15/2024	Sampling Type:	Soil
Project Name:	BLOODHOUND 15-23-27 FEE 401H	Sampling Condition:	Cool & Intact
Project Number:	237578	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: DS - 2 ( 0-6" ) (H240130-01)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/11/2024	ND	2.00	99.8	2.00	4.12		
Toluene*	<0.050	0.050	01/11/2024	ND	2.10	105	2.00	3.21		
Ethylbenzene*	<0.050	0.050	01/11/2024	ND	2.11	106	2.00	3.46		
Total Xylenes*	<0.150	0.150	01/11/2024	ND	6.35	106	6.00	2.98		
Total BTEX	<0.300	0.300	01/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/12/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	170	85.1	200	1.93	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	166	83.1	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 01/11/2024  
 Reported: 01/15/2024  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 01/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: DS - 2 ( 1-1.5' ) (H240130-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2024	ND	2.00	99.8	2.00	4.12	
Toluene*	<0.050	0.050	01/11/2024	ND	2.10	105	2.00	3.21	
Ethylbenzene*	<0.050	0.050	01/11/2024	ND	2.11	106	2.00	3.46	
Total Xylenes*	<0.150	0.150	01/11/2024	ND	6.35	106	6.00	2.98	
Total BTEX	<0.300	0.300	01/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/12/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2024	ND	191	95.6	200	3.11	
DRO >C10-C28*	<10.0	10.0	01/11/2024	ND	179	89.5	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	01/11/2024	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 01/11/2024  
 Reported: 01/15/2024  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 01/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: DS - 2 ( 2-2.5' ) (H240130-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2024	ND	2.00	99.8	2.00	4.12	
Toluene*	<0.050	0.050	01/11/2024	ND	2.10	105	2.00	3.21	
Ethylbenzene*	<0.050	0.050	01/11/2024	ND	2.11	106	2.00	3.46	
Total Xylenes*	<0.150	0.150	01/11/2024	ND	6.35	106	6.00	2.98	
Total BTEX	<0.300	0.300	01/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/12/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2024	ND	191	95.6	200	3.11	
DRO >C10-C28*	<10.0	10.0	01/11/2024	ND	179	89.5	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	01/11/2024	ND					

Surrogate: 1-Chlorooctane 76.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 01/11/2024  
 Reported: 01/15/2024  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 01/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: DS - 2 ( 3-3.5' ) (H240130-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/11/2024	ND	2.00	99.8	2.00	4.12		
Toluene*	<0.050	0.050	01/11/2024	ND	2.10	105	2.00	3.21		
Ethylbenzene*	<0.050	0.050	01/11/2024	ND	2.11	106	2.00	3.46		
Total Xylenes*	<0.150	0.150	01/11/2024	ND	6.35	106	6.00	2.98		
Total BTEX	<0.300	0.300	01/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/12/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2024	ND	191	95.6	200	3.11	
DRO >C10-C28*	<10.0	10.0	01/11/2024	ND	179	89.5	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	01/11/2024	ND					

Surrogate: 1-Chlorooctane 66.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 01/11/2024  
 Reported: 01/15/2024  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 01/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: DS - 1 ( 0-6" ) (H240130-05)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2024	ND	2.00	99.8	2.00	4.12	
Toluene*	<0.050	0.050	01/11/2024	ND	2.10	105	2.00	3.21	
Ethylbenzene*	<0.050	0.050	01/11/2024	ND	2.11	106	2.00	3.46	
Total Xylenes*	<0.150	0.150	01/11/2024	ND	6.35	106	6.00	2.98	
Total BTEX	<0.300	0.300	01/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/12/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2024	ND	191	95.6	200	3.11	
DRO >C10-C28*	<10.0	10.0	01/11/2024	ND	179	89.5	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	01/11/2024	ND					

Surrogate: 1-Chlorooctane 72.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 01/11/2024  
 Reported: 01/15/2024  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 01/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: DS - 1 ( 1-1.5' ) (H240130-06)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2024	ND	2.00	99.8	2.00	4.12	
Toluene*	<0.050	0.050	01/11/2024	ND	2.10	105	2.00	3.21	
Ethylbenzene*	<0.050	0.050	01/11/2024	ND	2.11	106	2.00	3.46	
Total Xylenes*	<0.150	0.150	01/11/2024	ND	6.35	106	6.00	2.98	
Total BTEX	<0.300	0.300	01/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/12/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2024	ND	191	95.6	200	3.11	
DRO >C10-C28*	<10.0	10.0	01/11/2024	ND	179	89.5	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	01/11/2024	ND					

Surrogate: 1-Chlorooctane 75.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.7 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 01/11/2024  
 Reported: 01/15/2024  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 01/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: DS - 1 ( 2-2.5' ) (H240130-07)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2024	ND	2.00	99.8	2.00	4.12	
Toluene*	<0.050	0.050	01/11/2024	ND	2.10	105	2.00	3.21	
Ethylbenzene*	<0.050	0.050	01/11/2024	ND	2.11	106	2.00	3.46	
Total Xylenes*	<0.150	0.150	01/11/2024	ND	6.35	106	6.00	2.98	
Total BTEX	<0.300	0.300	01/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/12/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	191	95.6	200	3.11	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	179	89.5	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					

Surrogate: 1-Chlorooctane 62.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 01/11/2024  
 Reported: 01/15/2024  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 01/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: DS - 1 ( 3-3.5' ) (H240130-08)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2024	ND	2.00	99.8	2.00	4.12	
Toluene*	<0.050	0.050	01/11/2024	ND	2.10	105	2.00	3.21	
Ethylbenzene*	<0.050	0.050	01/11/2024	ND	2.11	106	2.00	3.46	
Total Xylenes*	<0.150	0.150	01/11/2024	ND	6.35	106	6.00	2.98	
Total BTEX	<0.300	0.300	01/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	01/12/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	191	95.6	200	3.11	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	179	89.5	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					

Surrogate: 1-Chlorooctane 63.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.7 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 01/11/2024  
 Reported: 01/15/2024  
 Project Name: BLOODHOUND 15-23-27 FEE 401H  
 Project Number: 237578  
 Project Location: DEVON - EDDY CO., NM

Sampling Date: 01/11/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: DS - 1 ( 4-4.5' ) (H240130-09)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/11/2024	ND	2.00	99.8	2.00	4.12		
Toluene*	<0.050	0.050	01/11/2024	ND	2.10	105	2.00	3.21		
Ethylbenzene*	<0.050	0.050	01/11/2024	ND	2.11	106	2.00	3.46		
Total Xylenes*	<0.150	0.150	01/11/2024	ND	6.35	106	6.00	2.98		
Total BTEX	<0.300	0.300	01/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/12/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	191	95.6	200	3.11	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	179	89.5	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					

Surrogate: 1-Chlorooctane 70.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.7 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	01/11/2024	Sampling Date:	01/11/2024
Reported:	01/15/2024	Sampling Type:	Soil
Project Name:	BLOODHOUND 15-23-27 FEE 401H	Sampling Condition:	Cool & Intact
Project Number:	237578	Sample Received By:	Dionica Hinojos
Project Location:	DEVON - EDDY CO., NM		

**Sample ID: DS - 2 ( 4-4.5' ) (H240130-10)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/11/2024	ND	2.00	99.8	2.00	4.12		
Toluene*	<0.050	0.050	01/11/2024	ND	2.10	105	2.00	3.21		
Ethylbenzene*	<0.050	0.050	01/11/2024	ND	2.11	106	2.00	3.46		
Total Xylenes*	<0.150	0.150	01/11/2024	ND	6.35	106	6.00	2.98		
Total BTEX	<0.300	0.300	01/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	01/12/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	191	95.6	200	3.11	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	179	89.5	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					

Surrogate: 1-Chlorooctane 72.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.0 % 49.1-148

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---

### Notes and Definitions

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

---

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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



Company Name: NIG Environmental  
Project Manager: S. Davis

ANALYSIS REQUEST

[illegible]

**Lab I.D.**

7

OTHER :

TIME

B-TEX  
TPH  
Chlori

Relinquished By:

Received By:

halts along an in

Verbal Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #
----------------	------------------------------	-----------------------------	---------------

**All Results are emailed. Please provide Email address:**

Relinquished By:

Date:

Received By: [Signature]

REMARKS:

Delivered By: (Circle One)

Observed Temp. °C 4.10°C

Sample Condition

CHECKED BY:

**Turnaround Time:**

Standard

10

Bacteria (only)

### Sample Condition

**Sampler - UPS - Bus - Other:**

Corrected Temp. °C

☐ Cool ☒ Intact

(Initials)

Thermometer ID #140

Rush

	Cool	Intact
<input type="checkbox"/> Yes <input type="checkbox"/> No		

Observed Temp. °C

~~FOI=000 K 3.4 0771123~~

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)

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Phone:(505) 334-6178 Fax:(505) 334-6170  
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS  
  
Action 326981

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 326981
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2319061278
Incident Name	NAPP2319061278 BLOODHOUND 15 23 27 FEE 401 @ 30-015-45471
Incident Type	Fire
Incident Status	Deferral Request Received
Incident Well	[30-015-45471] BLOODHOUND 15 23 27 FEE #401H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	BLOODHOUND 15 23 27 FEE 401
Date Release Discovered	07/09/2023
Surface Owner	Private

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Fire   Other (Specify)   Crude Oil   Released: 1 BBL   Recovered: 0 BBL   Lost: 1 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
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)	Notified by Norfolk operator about possible fire on ground around flare. LO arrived and found fluid coming from top of flare, after investigating it was found that the circ pump was still in operation despite the well being shut in for air comp issues. This caused heater to swamp out and send fluid to flare. LO shut down circ pump, isolated flare line and drained scrubber to avoid anymore fluid going to flare. LO was able to extinguish small fire on ground around flare. No standing fluid on ground and no damage to equipment



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QUESTIONS, Page 2

Action 326981

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 326981
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

The source of the release has been stopped	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.

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 03/26/2024
--	--

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

QUESTIONS, Page 3

Action 326981

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	326981
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS****Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 200 and 300 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between ½ and 1 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	2020
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	30251.6
GRO+DRO (EPA SW-846 Method 8015M)	21791.6
BTEX (EPA SW-846 Method 8021B or 8260B)	5.8
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	10/04/2023
On what date will (or did) the final sampling or liner inspection occur	10/30/2023
On what date will (or was) the remediation complete(d)	01/15/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	817
What is the estimated volume (in cubic yards) that will be remediated	242

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

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**Oil Conservation Division**  
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**Santa Fe, NM 87505**

QUESTIONS, Page 4

Action 326981

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	326981
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS****Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	LEA LAND LANDFILL [fEEM0112342028]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 03/26/2024
--	--

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

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**District III**

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**District IV**

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

QUESTIONS, Page 5

Action 326981

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	326981
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS****Deferral Requests Only**

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	The area is directly under concrete pedestal supports of the flare and pipelines.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	0
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	0
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (f#) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-015-45471 BLOODHOUND 15 23 27 FEE #401H
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 03/26/2024

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QUESTIONS, Page 6  
  
Action 326981

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 326981
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	304287
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/23/2023
What was the (estimated) number of samples that were to be gathered	4
What was the sampling surface area in square feet	817

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No



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CONDITIONS

Action 326981

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 326981
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scwells	Deferral approved. Deferral of area under concrete supports for the flare/pipelines represented by sample points DS-1 and DS-2 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	3/26/2024