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September 6, 2024

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

**Re:   Deferral Request  
      Gaucho Unit #017H  
      Devon Energy Production Company  
      Unit P, Section 19, Township 22S, Range 34E  
      Site Coordinates: 32.370594, -103.501870  
      Lea County, New Mexico  
      Incident ID: nAPP2320533965**

Mr. Bratcher:

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this Site Characterization and Remediation Deferral Request for submittal to the New Mexico Oil Conservation Division (NMCOD) District 2 Office in Artesia, New Mexico to document site assessment, proposed remedial action activities, and sample analysis results for the Gaucho Unit #017H (Site). The Site is located in Unit Letter P, Section 19, of Township 22 South and Range 34 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.370594° N latitude and 103.501870° W longitude. 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 21, 2023. The release was due to a leak from the stuffing box resulting in the release of approximately two and three quarters (2.75) barrels (bbls) of crude oil and two and three quarters (2.75) bbls of produced water. No fluids were recovered for a net loss of two and three quarters (2.75) bbls of crude oil and two and three quarters (2.75) bbls of produced water. Upon discovery, the equipment was shut-in, and the area secured.

The release areas are shown in Figure 3.

### **Site Characterization**

Based on a review of the New Mexico Office of State Engineers and USGS databases, there is one known water source within a ½-mile radius of the Site. CP 01990 POD 1 was drilled on March 25, 2024, to a reported depth of 60 feet (ft) below ground surface (bgs) with no groundwater encountered. No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or distance from the Site. According to the Karst Potential Map, the

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site is located within a Low Karst area. The Site characterization documentation (Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) are attached to the end of this report.

### **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).

#### *General Site Characterization and Groundwater:*

Site Characterization	Average Groundwater Depth (ft)
Low Karst	60

*Table 3.1 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12 & 19.15.29.13)*

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	TPH (GRO+MRO)	BTEX	Benzene
19.15.23.13 Remediation and Closure Criteria for Soils Impacted by a Release	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
19.15.23.12 Remediation and Closure Criteria for Soils Impacted by a Release (>4 Feet)	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
Notes: --- = not defined					

### **Site Assessment**

On August 30, 2023, NTGE conducted site assessment activities to assess the extent of impacts at the Site. Three (3) vertical delineation sample points (V-1 through V-3) were installed within the release area, while five (5) horizontal delineation sample points (H-1 through H-5) were installed adjacent to the release area in order to characterize the impacts. Soil samples were collected at half-foot (0.5) ft intervals to a maximum depth of a half-foot (0.5) bgs, due to refusal, with a geotechnical hand auger. The hand auger was decontaminated with Alconox and deionized water between soil samples to prevent cross-contamination. Soil samples were placed directly into laboratory provided sample containers, placed on ice, and transported under proper chain-of-custody protocol to Envirotech Laboratories in Farmington, New Mexico for analysis of benzene, toluene, ethylbenzene, and xylene (BTEX) (by EPA Method 8260B), total petroleum hydrocarbon (TPH) (by EPA method 8015 modified), and chloride (EPA 300.0/9056A). Analytical results indicated that chloride and/or TPH concentrations exceeded the NMOCD regulatory limits in the area of V-1, V-2, V-3, and H-1 to a depth of a half-foot (0.5) ft bgs.

On October 13, 2024, NTGE returned to the Site in order to complete the vertical and horizontal delineation assessment of the release. A total of three (3) vertical delineation sample points (i.e., TP-1 through TP-3) were installed within the release area and collected at one (1) ft intervals to a

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maximum depth of twelve (12) ft bgs in order to characterize the impacts. Soil samples were delivered to Envirotech Laboratories for the analysis of BTEX, TPH, and chloride. Analytical results indicated that chloride and/or TPH concentrations exceed NMOCD regulatory limits in the areas of TP-2 and TP-3 and various depths. All other delineation samples were below NMOCD regulatory limits.

Analytical results are included in Table 1, while soil boring locations are shown in Figure 3. Laboratory reports containing analytical methods and chain-of-custody documents are attached to the report.

### **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 one (1) ft bgs in the area of TP-1, five (5) ft bgs in the area of TP-2, and two (2) ft bgs in the area of TP-3.

On August 5, 2024, a total of six (6) composite confirmation samples were collected from the excavation base (i.e., CS-1 through CS-6) and twelve (12) sidewall composite confirmation samples were collected (i.e., SW-1 through SW-12) to ensure impacted soil was removed.

Analytical results indicated that multiple composite confirmation excavation base and side wall samples (i.e., CS-1, CS-3, CS-4, SW-1, SW-2, SW-3, SW-5, SW-8, and SW-9) were above NMOCD regulatory criterion for chloride and/or TPH concentrations.

As a result, Devon proceeded with the further excavation of impacted areas. On August 14, 2024, NTGE collected a total of four (4) additional confirmation samples from the excavation base (i.e., CS-1, CS-3, CS-4, and CS-7) and four (4) additional confirmation samples were collected from the excavation sidewalls (i.e., SW-1A, SW-3A, SW-5A, and SW-9A) 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 the lab. The confirmation samples collected represent an area no greater than 200 square feet and were analyzed for BTEX (EPA Method 8021B), TPH (EPA method 8015 modified), and chloride (method SM4500Cl-B). Laboratory reports containing analytical methods and chain-of-custody documents are attached.

Analytical results indicated all samples were below NMOCD regulatory criterion for the Site with the exception of SW-2 and SW-8. The final excavation extent and confirmation sample locations are shown in Figure 4. Analytical results of the confirmation samples are included in Table 2.

### **Deferral Request**

Devon personnel have expressed that the excavation (SW-2 and SW-8) cannot be expanded horizontally due to the presence of facility infrastructure (i.e., pumping unit) around the excavation and the associated safety concerns in further encroaching the infrastructure. The infrastructure in and around the excavation is shown on Figure 5. On behalf of Devon, NTG Environmental formally requests a deferral to address the remaining soil impacts) 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.

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September 6, 2024  
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If you have any questions regarding this report or need additional information, please contact us at 432-701-2159.

Sincerely,  
**NTG Environmental**



Ethan Sessums  
Project Manager

Attachments:

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



## **TABLES**

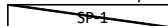
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Table 1  
Summary of Soil Analytical Data - Initial Assessment Samples  
Gaucho Unit #017H  
Devon Energy Production Company  
Lea Co., NM

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)			
			(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 51 -100 feet Depth to Groundwater 19.15.29 NMAC												
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	10,000 mg/kg		
Vertical Delineation Samples															
V-1	08/30/23	0-6"	<0.0250	0.293	1.05	4.11	5.453	56.9	10,100	10,156.9	3,790	13,946.9	9,090		
V-2	08/30/23	0-6"	<0.0250	<0.0250	<0.0250	0.113	0.113	<20.0	2,460	2,460	1,240	3,700	8,400		
V-3	08/30/23	0-6"	<0.0250	0.0470	0.225	2.09	3.222	61.2	9,780	9,841.2	3,540	13,381.2	8,350		
Horizontal Delineation Samples															
H-1	08/30/23	0-6"	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	2,980		
H-2	08/30/23	0-6"	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	159		
H-3	08/30/23	0-6"	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	46.8		
H-4	08/30/23	0-6"	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	122		
H-5	08/30/23	0-6"	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	161		
Test Pit Delineation Samples															
TP-1	10/13/2023	1'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	77.4		
	10/13/2023	2'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	256		
	10/13/2023	3'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	257		
	10/13/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	46		
TP-2	10/13/2023	1'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	1,030	1,030	673	1,703	2,840		
	10/13/2023	2'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	1,750	1,750	1,020	2,770	1,120		
	10/13/2023	3'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	331	331	186	517	308		
	10/13/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	81.1		
	10/13/2023	5'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0		
	10/13/2023	6'	<0.0250	<0.0250	<0.0250	<0.0250	0.112	<20.0	941	941	447	1388	669		
	10/13/2023	7'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	577		
	10/13/2023	8'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	42.8	42.8	<50.0	42.8	1,010		
	10/13/2023	9'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	2,150		
	10/13/2023	11'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	84.5		
TP-3	10/13/2023	12'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	169		
	10/13/2023	1'	<0.0250	<0.0250	<0.0250	<0.0250	0.109	<20.0	224	224	73.9	297.9	233		
	10/13/2023	2'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0		
	10/13/2023	3'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0		
			10/13/2023	4'	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	<20.0	<25.0	<25.0	<50.0	<50.0	<20.0

## Notes:

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

 Sample Point Excavated

5. TPH analyses by EPA Method SW 8015 Mod.
6. 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).

9. --- Not Analyzed

Table 2  
Summary of Soil Analytical Data - Confirmation Samples  
Gaucho Unit #017H  
Devon Energy Production Company  
Lea Co., NM

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 51 -100 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg		10,000 mg/kg
Vertical Delineation Samples														
CS-1	08/05/24	±'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,130	1,130	498	1,628	736	
	08/14/24	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.0	11.0	<10.0	11.0	80.0	
CS-2	08/05/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	33.1	33.1	<10.0	33.1	176	
CS-3	08/05/24	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	198	198	57.0	255	640	
	08/14/24	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.1	15.1	<10.0	15.1	80.0	
CS-4	08/05/24	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	59.8	59.8	<10.0	59.8	784	
	08/14/24	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.2	15.2	<10.0	15.2	96.0	
CS-5	08/05/24	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.6	18.6	<10.0	18.6	224	
CS-6	08/05/24	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	85.5	85.5	<10.0	85.5	496	
CS-7	08/14/24	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.2	15.2	<10.0	15.2	128	
Horizontal Delineation Samples														
SW-1	08/05/24	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,260	1,260	590	1,850	368	
SW-1A	08/14/24	0-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.0	13.0	<10.0	13.0	80.0	
SW-2	08/05/24	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	259	259	141	400	668	
SW-3	08/05/24	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	109	109	30.7	139.7	192	
SW-3A	08/14/24	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.5	13.5	<10.0	13.5	96.0	
SW-4	08/05/24	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
SW-5	08/05/24	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	236	236	89.7	325.7	960	
SW-5A	08/14/24	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	19.9	19.9	<10.0	19.9	80.0	
SW-6	08/05/24	1-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0	
SW-7	08/05/24	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272	
SW-8	08/05/24	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<50.0	16,000	16,000	4,770	20,770	720	
SW-9	08/05/24	2-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	832	
SW-9A	08/14/24	2-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.0	16.0	<10.0	16.0	96.0	
SW-10	08/05/24	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112	
SW-11	08/05/24	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176	
SW-12	08/05/24	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160	

## Notes:

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

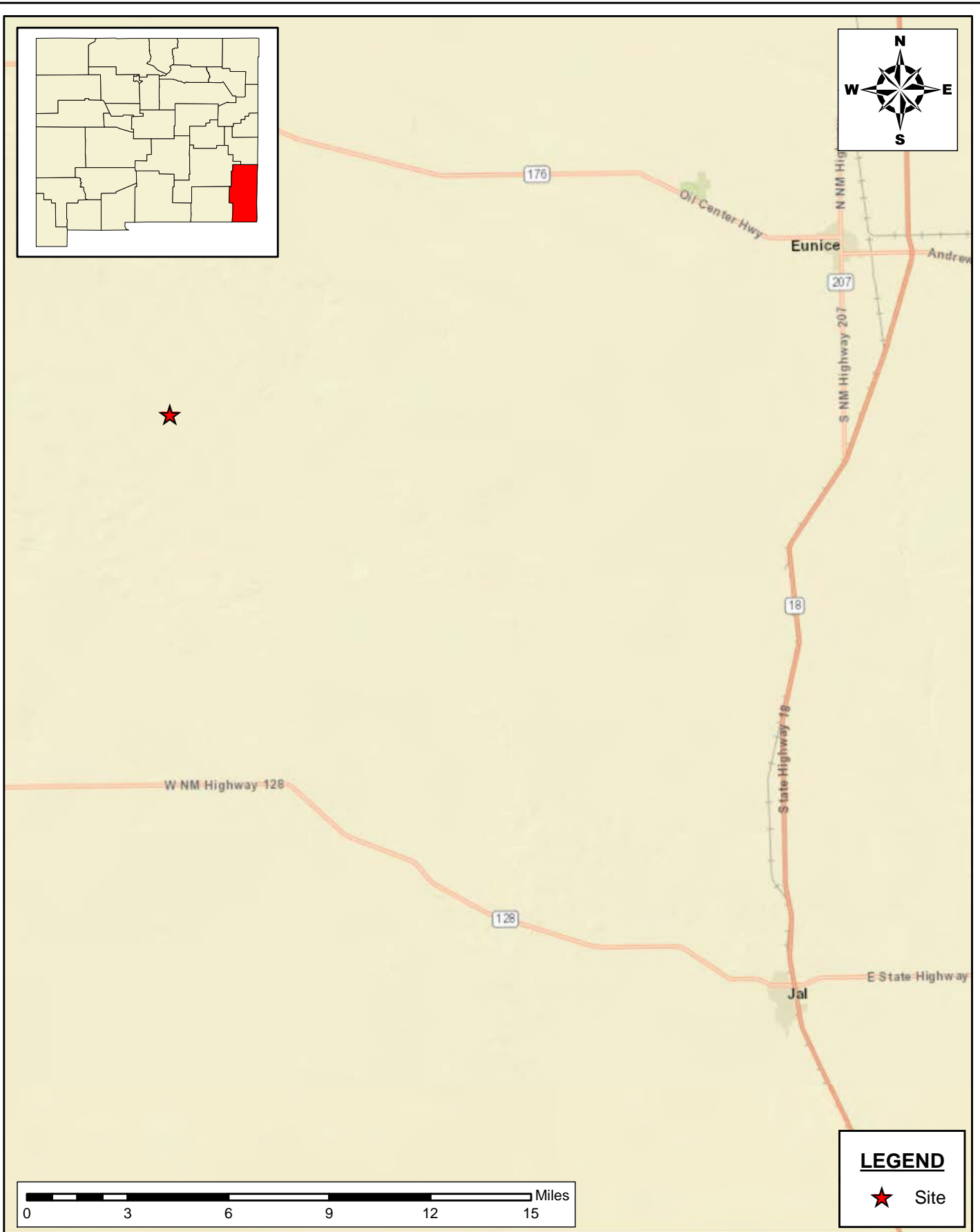
SP-1 Sample Point Excavated

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

## **FIGURES**

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**SITE LOCATION MAP**  
**SITE CHARACTERIZATION AND DEFERRAL REQUEST**  
 GAUCHO UNIT #017H  
 DEVON ENERGY PRODUCTION COMPANY  
 LEA COUNTY, NEW MEXICO

SCALE: As Shown    Date: 8/26/2024    PROJECT #: 237780

**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

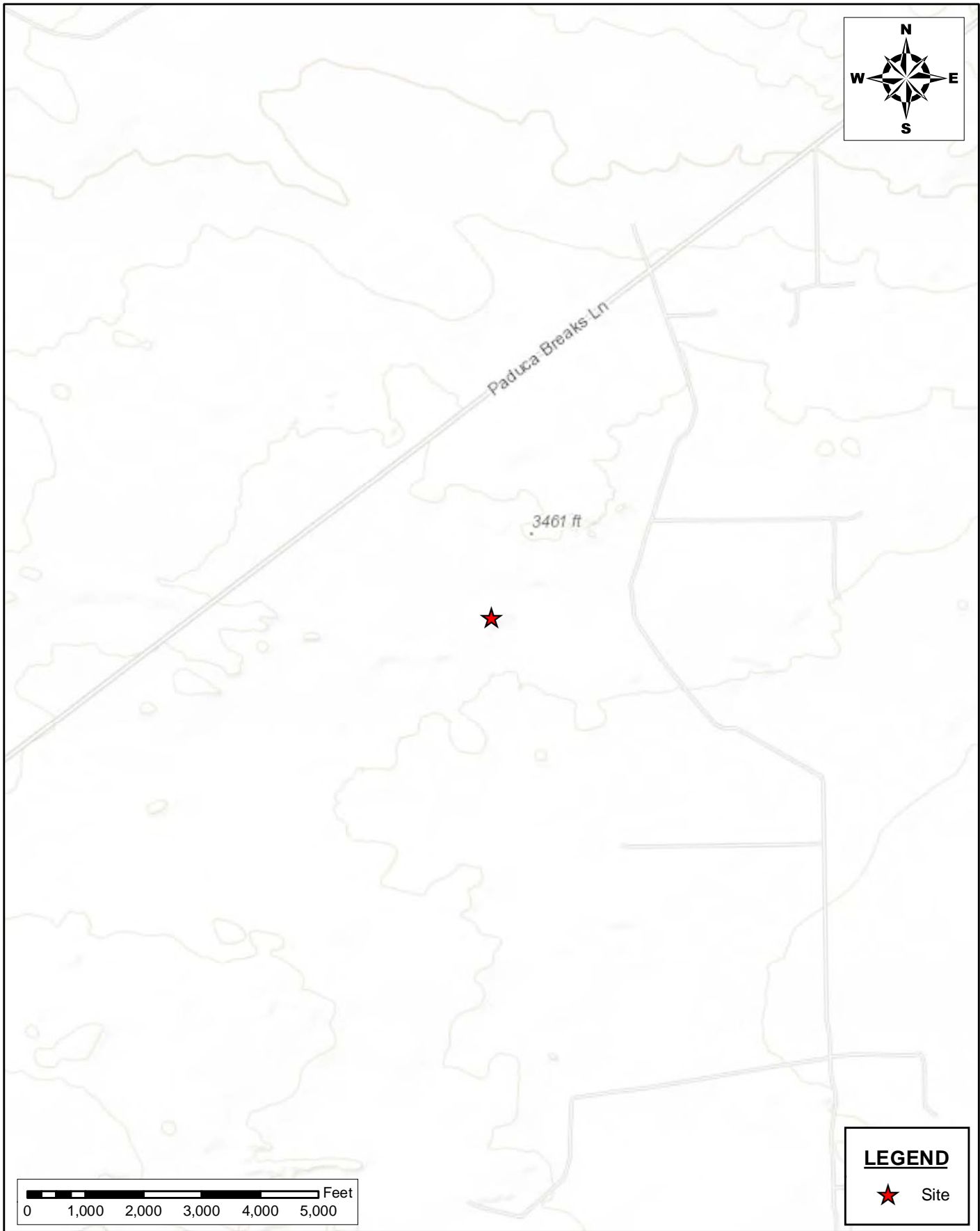
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**FIGURE 1**

SHEET NUMBER:

**1 of 1**

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**TOPOGRAPHIC MAP**  
**SITE CHARACTERIZATION AND DEFERRAL REQUEST**  
GAUCHO UNIT #017H  
DEVON ENERGY PRODUCTION COMPANY  
LEA COUNTY, NEW MEXICO

SCALE: As Shown    Date: 9/13/2023    PROJECT #: 237780



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

**NOTES:**

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

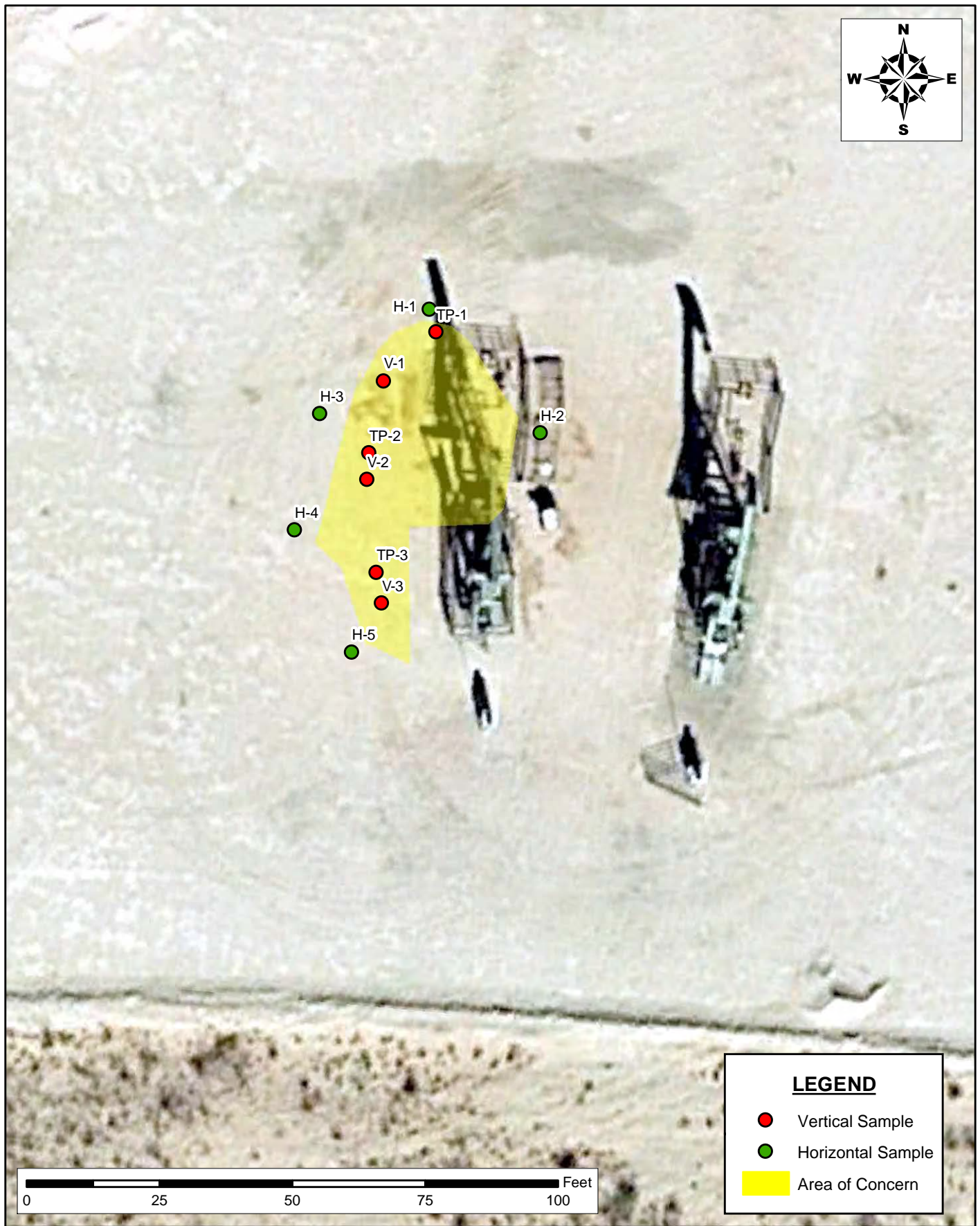
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**FIGURE 2**

SHEET NUMBER:

**1 of 1**

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**INITIAL ASSESSMENT MAP  
SITE CHARACTERIZATION AND DEFERRAL REQUEST  
GAUCHO UNIT #017H  
DEVON ENERGY PRODUCTION COMPANY LEA COUNTY,  
NEW MEXICO**

SCALE: AS SHOWN    DATE: 11/06/2023    PROJECT #: 237780



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

**NOTES:**

1. Base Image: ESRI Maps & Data 2017
2. Map Projection: NAD 1983

DRAWING NUMBER:

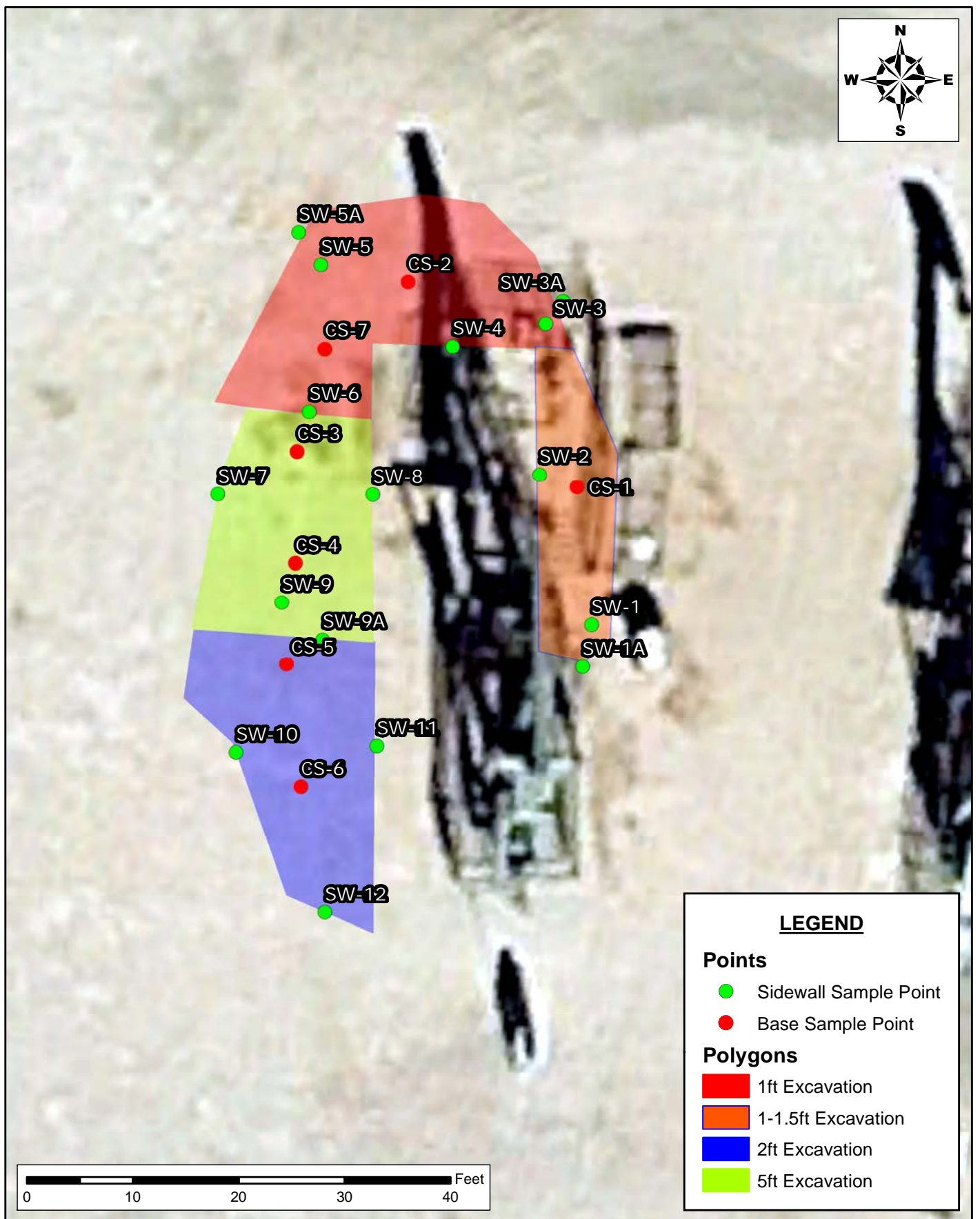
**FIGURE 3**

SHEET NUMBER:

**1 of 1**



Document Path: C:\Users\ntg\gis\New Tech Global\NTGE - Documents\NTGE - Projects\2024 PROJECTS\DEVON\NRSC\237780 - Gaucho Unit #017H\7- Figures\GIS\Figure\_4\_CS.mxd



**CONFIRMATION SAMPLING MAP**  
**SITE CHARACTERIZATION AND DEFERRAL REQUEST**  
 GAUCHO UNIT #017H  
 DEVON ENERGY PRODUCTION COMPANY  
 LEA COUNTY, NEW MEXICO

SCALE: AS SHOWN

DATE: 08/28/2024

PROJECT #: 237780



**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 2017  
 2. Map Projection: NAD 1983

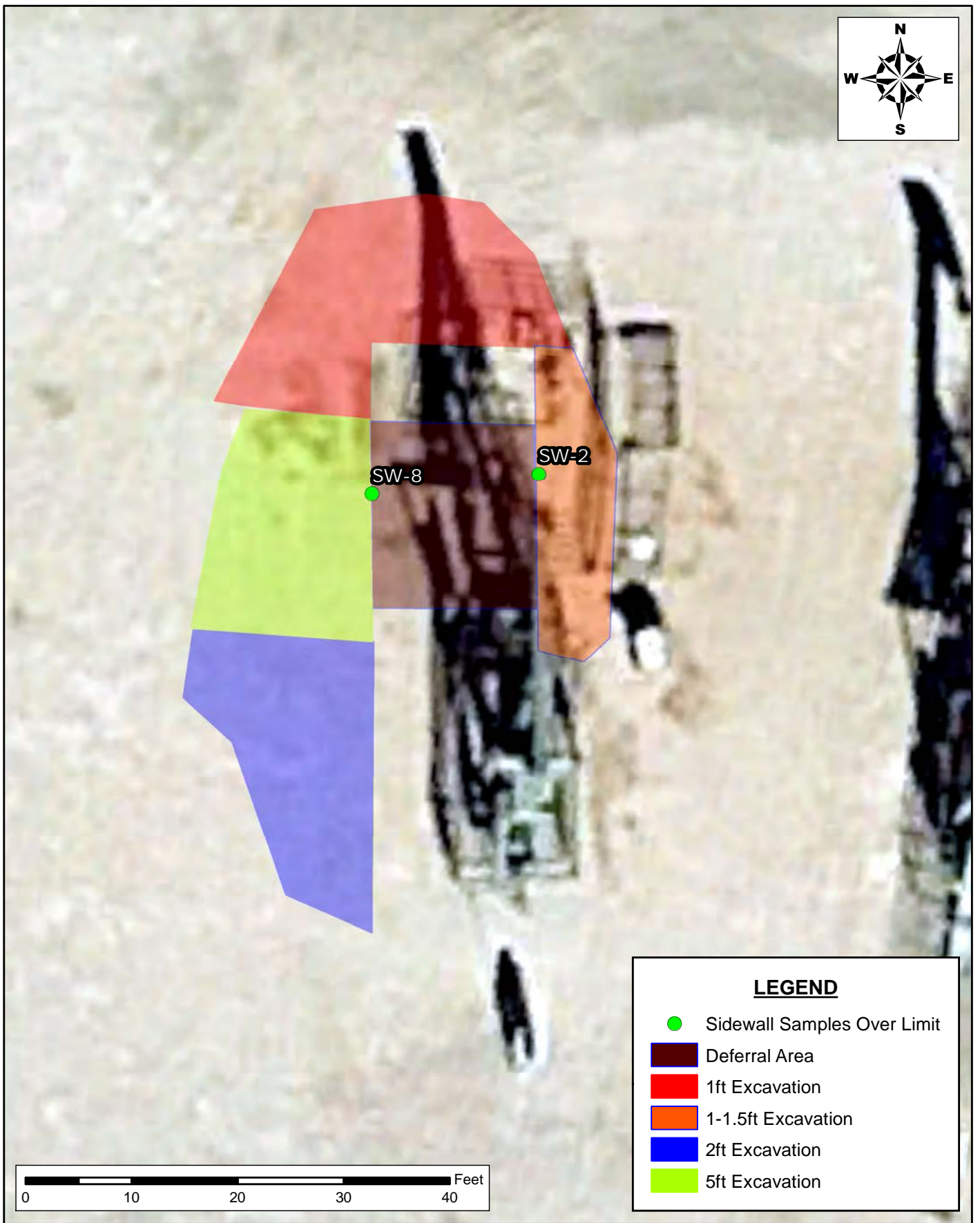
DRAWING NUMBER:

**FIGURE 4**

SHEET NUMBER:

**1 of 1**

Document Path: C:\Users\ntg\gis\New Tech Global\NTGE - Documents\NTGE - Projects\2024 PROJECTS\DEVON\NRSC\237780 - Gaucho Unit #017H\7- Figures\GIS\Figure\_5\_DM.mxd



**LEGEND**

- Sidewall Samples Over Limit
- Deferral Area
- 1ft Excavation
- 1-1.5ft Excavation
- 2ft Excavation
- 5ft Excavation

**DEFERRAL MAP**  
**SITE CHARACTERIZATION AND DEFERRAL REQUEST**  
GAUCHO UNIT #017H  
DEVON ENERGY PRODUCTION COMPANY  
LEA COUNTY, NEW MEXICO



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

**NOTES:**

- 1. Base Image: ESRI Maps & Data 2017
- 2. Map Projection: NAD 1983

DRAWING NUMBER:

**FIGURE 5**

SHEET NUMBER:

**1 of 1**

## **SITE CHARACTERIZATION INFORMATION**

---

## NMOCD Closure Criteria

Gaucho Unit 17H

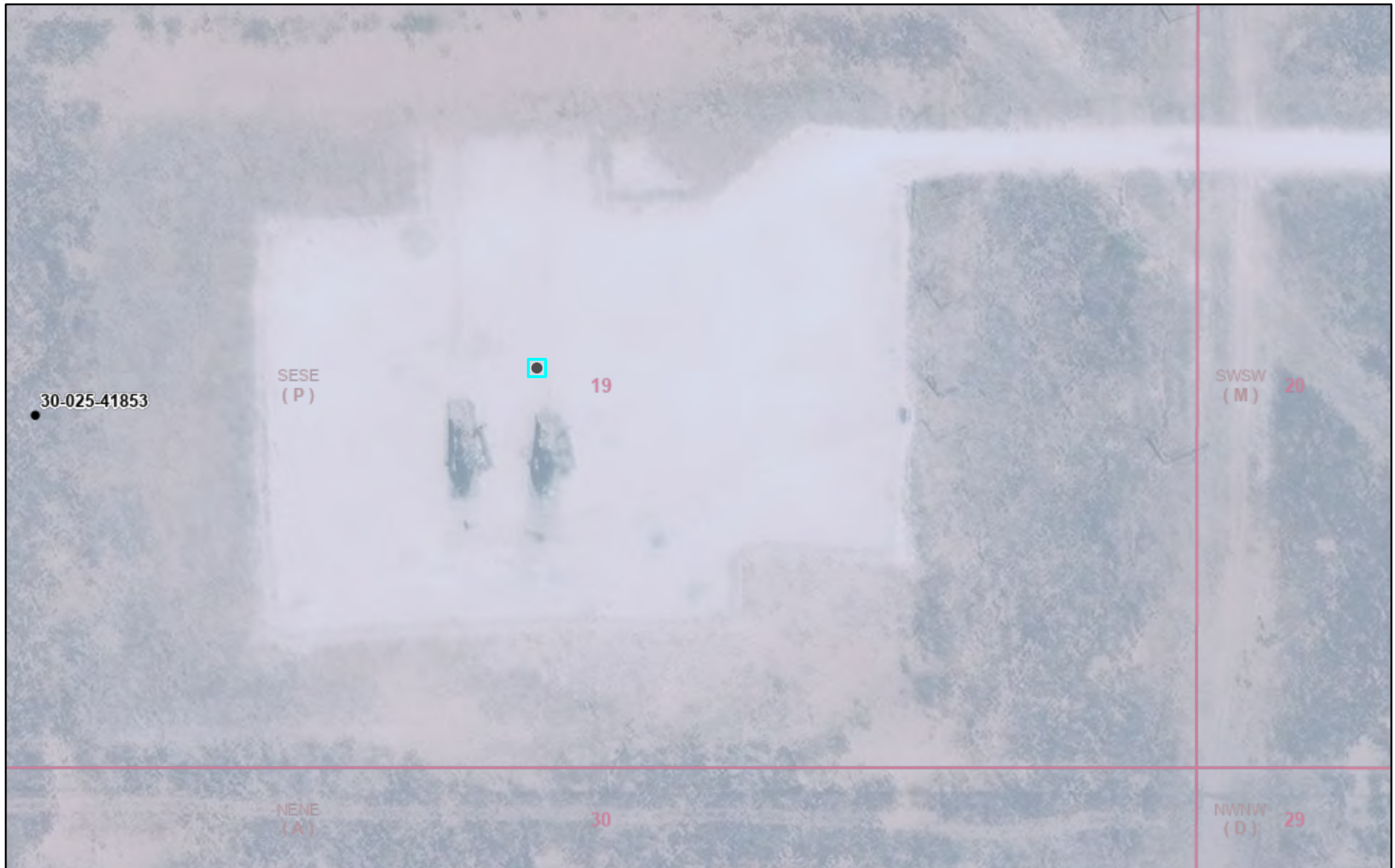
Site Information (19.15.29.11.A (2,3, & 4) NMAC)		Source/Notes
Depth to Groundwater ( ft bgs)	60	Office of the State Engineer (OSE)
Horizontal Distance from All Water Sources Within 0.5 mile (ft)	N/A	Office of the State Engineer (OSE)
Horizontal Distance to Nearest Significant Watercourse (ft)	N/A	United States Geological Survey (USGS)

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		600	100	--	50	10
51 - 100	X	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?	No	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 waster well used by less that 5 households for domestic or livestock purposes?	No					
<1,000 ft from a fresh water well or spring?	No					
Sensitive 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



# Karst Potential



11/7/2023, 3:53:29 PM

Wells - Large Scale Karst Occurrence Potential

• Oil, Active    Low

PLSS Second Division

PLSS First Division

1:1,128  
0 0.01 0.01 0.03 mi  
0 0.01 0.03 0.05 km

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

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



# OSE POD Location Map



8/28/2024, 1:37:15 PM

Override 1

GIS WATERS PODs

Active

Pending

Plugged

OSE District Boundary

Water Right Regulations

Closure Area

Artesian Planning Area

New Mexico State Trust Lands

Surface Estate

Both Estates

NHD Flowlines

Stream River

1:18,056

00.170.350.7 mi

00.30.61.2 km


Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar





# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
NA	CP 01990 POD1	3	4	4	19	22S	34E	640840	3582490		
x											
Driller License:	1833	Driller Company:				VISION RESOURCES, INC					
Driller Name:	JASON MALEY										
Drill Start Date:	03/25/2024	Drill Finish Date:				03/25/2024		Plug Date:	03/28/2024		
Log File Date:	04/17/2024	PCW Rev Date:						Source:			
Pump Type:		Pipe Discharge Size:						Estimated Yield:			
Casing Size:		Depth Well:				60 feet		Depth Water:			
x											

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

5/6/24 1:21 PM




POINT OF DIVERSION SUMMARY

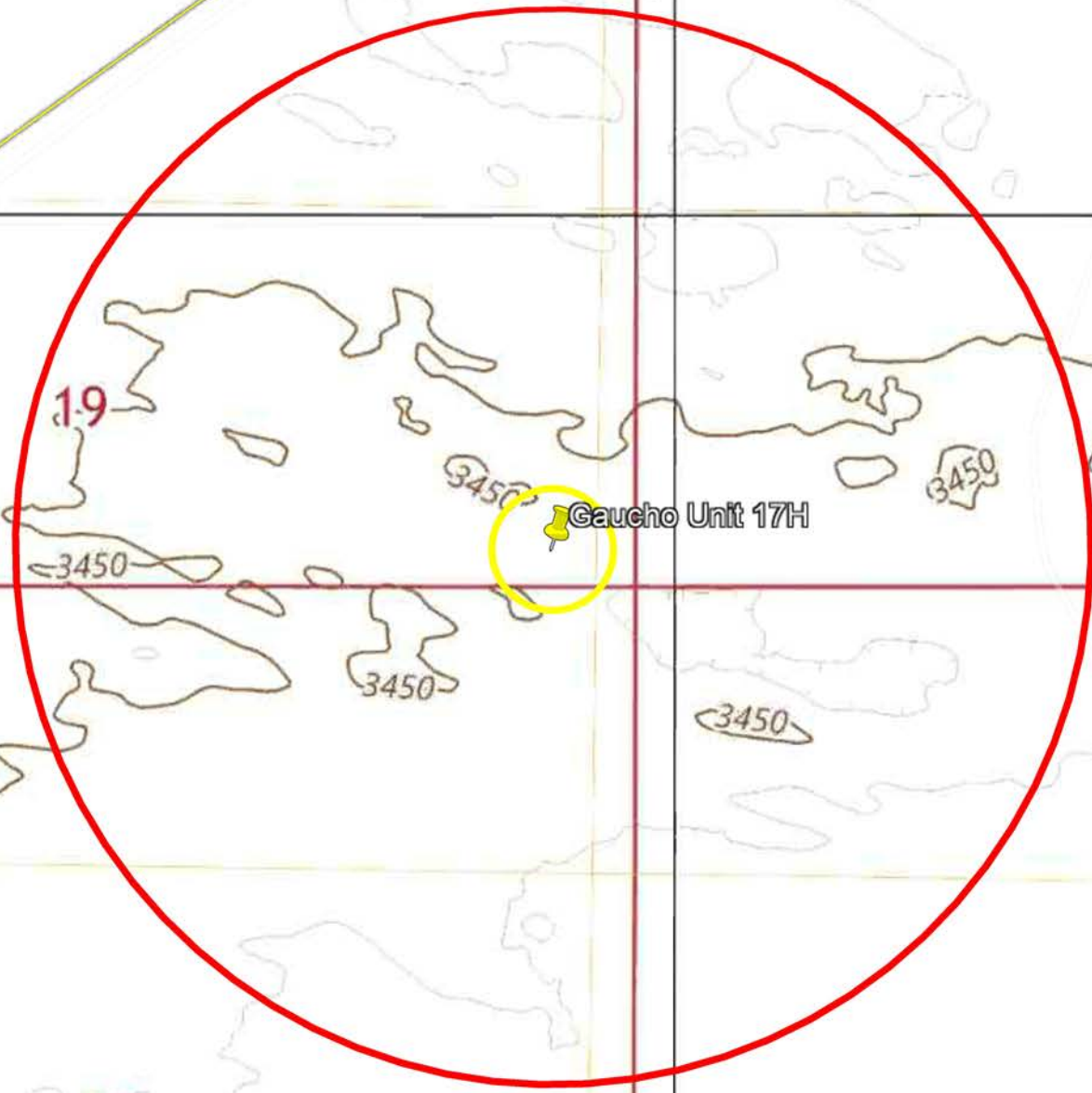


# Gaucha Unit 17H

Significant Watercourse

## Legend

-  0.5 Mile Radius
-  300 Foot Radius
-  Gaucha Unit 17H



# National Flood Hazard Layer FIRMMette



103°30'26"W 32°22'27"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°29'48"W 32°21'57"N

Released to Imaging: 11/14/2024 9:21:02 AM

Basemap Imagery Source: USGS National Map 2023

## 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 8/11/2023 at 11:18 AM 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.





## Gaucho Unit 17H



August 11, 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.

## **PHOTOGRAPHIC LOG**

---

## PHOTOGRAPHIC LOG

Devon Energy Production Company

### Photograph No. 1

**Facility:** Gaucho Unit #017H

**County:** Lea County, New Mexico

**Description:**  
View of the release.



### Photograph No. 2

**Facility:** Gaucho Unit #017H

**County:** Lea County, New Mexico

**Description:**  
View of the release.



### Photograph No. 3

**Facility:** Gaucho Unit #017H

**County:** Lea County, New Mexico

**Description:**  
View of the release.





**PHOTOGRAPHIC LOG**  
**Devon Energy Production Company**  
**Gaucha Unit #017H**

**Photograph No. 4**

**Facility:** Gaucha Unit #017H

**County:** Lea County, New Mexico

**Description:**  
Area of Excavation.

**Photograph No. 5**

**Facility:** Gaucha Unit #017H

**County:** Lea County, New Mexico

**Description:**  
Area of Excavation.

**Photograph No. 6**

**Facility:** Gaucha Unit #017H

**County:** Lea County, New Mexico

**Description:**  
Area of Excavation.



**PHOTOGRAPHIC LOG**  
**Devon Energy Production Company**  
**Gaucha Unit #017H**

**Photograph No. 7**

**Facility:** Gaucha Unit #017H

**County:** Lea County, New Mexico

**Description:**  
Area of Excavation.

**Photograph No. 8**

**Facility:** Gaucha Unit #017H

**County:** Lea County, New Mexico

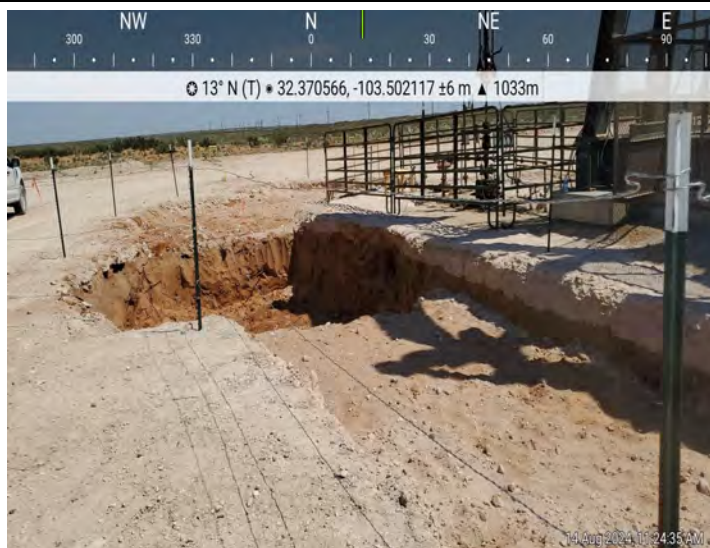
**Description:**  
Area of Excavation.

**Photograph No. 9**

**Facility:** Gaucha Unit #017H

**County:** Lea County, New Mexico

**Description:**  
Area of 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: Gaucho Unit #017H

Work Order: E308243

Job Number: 21106-0001

Received: 9/1/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
9/7/23

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: 9/7/23

Ethan Sessums  
911 Regional Park Dr.  
Houston, TX 77060



Project Name: Gaucho Unit #017H  
Workorder: E308243  
Date Received: 9/1/2023 5:45:00AM

Ethan Sessums,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/1/2023 5:45:00AM, under the Project Name: Gaucho Unit #017H.

The analytical test results summarized in this report with the Project Name: Gaucho Unit #017H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**  
**Lynn Jarboe**  
Technical Representative/Client Services  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**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)

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Sample Summary

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 21106-0001 Project Manager: Ethan Sessums	Reported: 09/07/23 13:56
---	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
V-1 0-6"	E308243-01A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
V-2 0-6"	E308243-02A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
V-3 0-6"	E308243-03A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
H-1 0-6"	E308243-04A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
H-2 0-6"	E308243-05A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
H-3 0-6"	E308243-06A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
H-4 0-6"	E308243-07A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.
H-5 0-6"	E308243-08A	Soil	08/30/23	09/01/23	Glass Jar, 2 oz.



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 21106-0001 Project Manager: Ethan Sessums	Reported: 9/7/2023 1:56:49PM
---	---	---------------------------------

V-1 0-6"

E308243-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2335105	
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	1.05	0.0250	1	09/01/23	09/05/23	
Toluene	0.293	0.0250	1	09/01/23	09/05/23	
o-Xylene	1.48	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	2.62	0.0500	1	09/01/23	09/05/23	
Total Xylenes	4.11	0.0250	1	09/01/23	09/05/23	
Surrogate: Bromofluorobenzene	124 %	70-130		09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4	91.9 %	70-130		09/01/23	09/05/23	
Surrogate: Toluene-d8	114 %	70-130		09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2335105	
Gasoline Range Organics (C6-C10)	56.9	20.0	1	09/01/23	09/05/23	
Surrogate: Bromofluorobenzene	124 %	70-130		09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4	91.9 %	70-130		09/01/23	09/05/23	
Surrogate: Toluene-d8	114 %	70-130		09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2336035	
Diesel Range Organics (C10-C28)	10100	50.0	2	09/06/23	09/07/23	
Oil Range Organics (C28-C36)	3790	100	2	09/06/23	09/07/23	
Surrogate: n-Nonane	126 %	50-200		09/06/23	09/07/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2336050	
Chloride	9090	200	10	09/06/23	09/06/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 21106-0001 Project Manager: Ethan Sessums	Reported: 9/7/2023 1:56:49PM
---	---	---------------------------------

V-2 0-6"

E308243-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2335105	
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	0.0450	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	0.0675	0.0500	1	09/01/23	09/05/23	
Total Xylenes	0.113	0.0250	1	09/01/23	09/05/23	
Surrogate: Bromofluorobenzene	112 %	70-130		09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4	95.2 %	70-130		09/01/23	09/05/23	
Surrogate: Toluene-d8	114 %	70-130		09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2335105	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
Surrogate: Bromofluorobenzene	112 %	70-130		09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4	95.2 %	70-130		09/01/23	09/05/23	
Surrogate: Toluene-d8	114 %	70-130		09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2336035	
Diesel Range Organics (C10-C28)	2460	50.0	2	09/06/23	09/07/23	
Oil Range Organics (C28-C36)	1240	100	2	09/06/23	09/07/23	
Surrogate: n-Nonane	98.1 %	50-200		09/06/23	09/07/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2336050	
Chloride	8400	200	10	09/06/23	09/06/23	





Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 21106-0001 Project Manager: Ethan Sessums	Reported: 9/7/2023 1:56:49PM
---	---	---------------------------------

V-3 0-6"

E308243-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	0.225	0.0250	1	09/01/23	09/05/23	
Toluene	0.0470	0.0250	1	09/01/23	09/05/23	
o-Xylene	0.845	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	1.25	0.0500	1	09/01/23	09/05/23	
Total Xylenes	2.09	0.0250	1	09/01/23	09/05/23	
Surrogate: Bromofluorobenzene		113 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		114 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Gasoline Range Organics (C6-C10)	61.2	20.0	1	09/01/23	09/05/23	
Surrogate: Bromofluorobenzene		113 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		114 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2336035
Diesel Range Organics (C10-C28)	9780	50.0	2	09/06/23	09/07/23	
Oil Range Organics (C28-C36)	3540	100	2	09/06/23	09/07/23	
Surrogate: n-Nonane		103 %	50-200	09/06/23	09/07/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336050
Chloride	8350	200	10	09/06/23	09/06/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 21106-0001 Project Manager: Ethan Sessums	Reported: 9/7/2023 1:56:49PM
---	---	---------------------------------

H-1 0-6"

E308243-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
Surrogate: Bromofluorobenzene	95.2 %	70-130		09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4	95.3 %	70-130		09/01/23	09/05/23	
Surrogate: Toluene-d8	112 %	70-130		09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
Surrogate: Bromofluorobenzene	95.2 %	70-130		09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4	95.3 %	70-130		09/01/23	09/05/23	
Surrogate: Toluene-d8	112 %	70-130		09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2336035
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/23	09/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/23	09/07/23	
Surrogate: n-Nonane	99.3 %	50-200		09/06/23	09/07/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336050
Chloride	2980	40.0	2	09/06/23	09/06/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 21106-0001 Project Manager: Ethan Sessums	Reported: 9/7/2023 1:56:49PM
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H-2 0-6"

E308243-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
Surrogate: Bromofluorobenzene		118 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		110 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
Surrogate: Bromofluorobenzene		118 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		110 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2336035
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/23	09/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/23	09/07/23	
Surrogate: n-Nonane		103 %	50-200	09/06/23	09/07/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336050
Chloride	159	20.0	1	09/06/23	09/06/23	





Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 21106-0001 Project Manager: Ethan Sessums	Reported: 9/7/2023 1:56:49PM
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H-3 0-6"

E308243-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
Surrogate: Bromofluorobenzene		123 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
Surrogate: Bromofluorobenzene		123 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2336035
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/23	09/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/23	09/07/23	
Surrogate: n-Nonane		100 %	50-200	09/06/23	09/07/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336050
Chloride	46.8	20.0	1	09/06/23	09/06/23	



## Sample Data

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

Project Name: Gaucho Unit #017H  
Project Number: 21106-0001  
Project Manager: Ethan Sessums

**Reported:**  
9/7/2023 1:56:49PM

H-4 0-6"

E308243-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
Surrogate: Bromofluorobenzene		119 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		111 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2336035
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/23	09/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/23	09/07/23	
Surrogate: n-Nonane		101 %	50-200	09/06/23	09/07/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336050
Chloride	122	20.0	1	09/06/23	09/06/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 21106-0001 Project Manager: Ethan Sessums	Reported: 9/7/2023 1:56:49PM
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H-5 0-6"

E308243-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Benzene	ND	0.0250	1	09/01/23	09/05/23	
Ethylbenzene	ND	0.0250	1	09/01/23	09/05/23	
Toluene	ND	0.0250	1	09/01/23	09/05/23	
o-Xylene	ND	0.0250	1	09/01/23	09/05/23	
p,m-Xylene	ND	0.0500	1	09/01/23	09/05/23	
Total Xylenes	ND	0.0250	1	09/01/23	09/05/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2335105
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/01/23	09/05/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/01/23	09/05/23	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	09/01/23	09/05/23	
Surrogate: Toluene-d8		112 %	70-130	09/01/23	09/05/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2336035
Diesel Range Organics (C10-C28)	ND	25.0	1	09/06/23	09/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/06/23	09/07/23	
Surrogate: n-Nonane		99.6 %	50-200	09/06/23	09/07/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2336050
Chloride	161	20.0	1	09/06/23	09/06/23	



QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Gaicho Unit #017H	Reported:
911 Regional Park Dr.	Project Number:	21106-0001	
Houston TX, 77060	Project Manager:	Ethan Sessums	9/7/2023 1:56:49PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2335105-BLK1) Prepared: 09/01/23 Analyzed: 09/05/23

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: Bromofluorobenzene	0.601		0.500		120	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.564		0.500		113	70-130			

LCS (2335105-BS1) Prepared: 09/01/23 Analyzed: 09/05/23

Benzene	2.55	0.0250	2.50		102	70-130			
Ethylbenzene	2.59	0.0250	2.50		104	70-130			
Toluene	2.64	0.0250	2.50		106	70-130			
o-Xylene	2.78	0.0250	2.50		111	70-130			
p,m-Xylene	5.53	0.0500	5.00		111	70-130			
Total Xylenes	8.31	0.0250	7.50		111	70-130			
Surrogate: Bromofluorobenzene	0.604		0.500		121	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.549		0.500		110	70-130			

Matrix Spike (2335105-MS1) Source: E308243-07 Prepared: 09/01/23 Analyzed: 09/05/23

Benzene	2.35	0.0250	2.50	ND	94.1	48-131			
Ethylbenzene	2.42	0.0250	2.50	ND	96.6	45-135			
Toluene	2.44	0.0250	2.50	ND	97.5	48-130			
o-Xylene	2.56	0.0250	2.50	ND	102	43-135			
p,m-Xylene	5.12	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.68	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	0.603		0.500		121	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.557		0.500		111	70-130			

Matrix Spike Dup (2335105-MSD1) Source: E308243-07 Prepared: 09/01/23 Analyzed: 09/05/23

Benzene	2.52	0.0250	2.50	ND	101	48-131	7.06	23	
Ethylbenzene	2.60	0.0250	2.50	ND	104	45-135	7.55	27	
Toluene	2.64	0.0250	2.50	ND	106	48-130	7.92	24	
o-Xylene	2.80	0.0250	2.50	ND	112	43-135	9.09	27	
p,m-Xylene	5.63	0.0500	5.00	ND	113	43-135	9.52	27	
Total Xylenes	8.43	0.0250	7.50	ND	112	43-135	9.38	27	
Surrogate: Bromofluorobenzene	0.611		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.553		0.500		111	70-130			





QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 21106-0001 Project Manager: Ethan Sessums	Reported:  9/7/2023 1:56:49PM
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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 (2335105-BLK1) Prepared: 09/01/23 Analyzed: 09/05/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.601		0.500		120	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.564		0.500		113	70-130			

LCS (2335105-BS2) Prepared: 09/01/23 Analyzed: 09/05/23

Gasoline Range Organics (C6-C10)	55.5	20.0	50.0		111	70-130			
Surrogate: Bromofluorobenzene	0.608		0.500		122	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.567		0.500		113	70-130			

Matrix Spike (2335105-MS2) Source: E308243-07 Prepared: 09/01/23 Analyzed: 09/05/23

Gasoline Range Organics (C6-C10)	57.4	20.0	50.0	ND	115	70-130			
Surrogate: Bromofluorobenzene	0.618		0.500		124	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.564		0.500		113	70-130			

Matrix Spike Dup (2335105-MSD2) Source: E308243-07 Prepared: 09/01/23 Analyzed: 09/05/23

Gasoline Range Organics (C6-C10)	56.0	20.0	50.0	ND	112	70-130	2.35	20	
Surrogate: Bromofluorobenzene	0.603		0.500		121	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		94.9	70-130			
Surrogate: Toluene-d8	0.563		0.500		113	70-130			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 21106-0001 Project Manager: Ethan Sessums	Reported:  9/7/2023 1:56:49PM
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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 (2336035-BLK1)					Prepared: 09/06/23 Analyzed: 09/06/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.5		50.0		105	50-200			

LCS (2336035-BS1)					Prepared: 09/06/23 Analyzed: 09/06/23				
Diesel Range Organics (C10-C28)	251	25.0	250		100	38-132			
Surrogate: n-Nonane	51.0		50.0		102	50-200			

Matrix Spike (2336035-MS1)					Source: E309029-21		Prepared: 09/06/23 Analyzed: 09/06/23		
Diesel Range Organics (C10-C28)	286	25.0	250	37.3	99.7	38-132			
Surrogate: n-Nonane	50.4		50.0		101	50-200			

Matrix Spike Dup (2336035-MSD1)					Source: E309029-21		Prepared: 09/06/23 Analyzed: 09/06/23		
Diesel Range Organics (C10-C28)	284	25.0	250	37.3	98.6	38-132	0.954	20	
Surrogate: n-Nonane	51.3		50.0		103	50-200			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 21106-0001 Project Manager: Ethan Sessums	Reported:  9/7/2023 1:56:49PM
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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
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Blank (2336050-BLK1)				Prepared: 09/06/23 Analyzed: 09/06/23					
Chloride	ND	20.0							
LCS (2336050-BS1)				Prepared: 09/06/23 Analyzed: 09/06/23					
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2336050-MS1)				Source: E308243-01		Prepared: 09/06/23 Analyzed: 09/06/23			
Chloride	7460	200	250	9090	NR	80-120			M4
Matrix Spike Dup (2336050-MSD1)				Source: E308243-01		Prepared: 09/06/23 Analyzed: 09/06/23			
Chloride	9740	200	250	9090	262	80-120	26.6	20	M4, R2

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:	Gaucho Unit #017H	
911 Regional Park Dr.	Project Number:	21106-0001	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	09/07/23 13:56

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- R2 The RPD exceeded the acceptance limit.
- 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: E.308243  
 Job # 21100-0001
Page 1 of 1

Project Manager:	Ethan Sessums	Bill to: (if different)	Ethan Sessums
Company Name:	NTG Environmental	Company Name:	NTG Environmental
Address:	209 W McKay St	Address:	209 W McKay St
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Carlsbad, NM 88220
Phone:	(432) 701-2159	Email:	Esessums@ntgglobal.com

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

Project Name:	Gaucho Unit #017H		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes					
Project Number:	237780		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	BTEX 8021B TPH 8015M (GRO + DRO + MRO) Chloride 4500																None: NO		DI Water: H <sub>2</sub> O		
Project Location:	Lea Co, NM		Due Date:																				Cool: Cool		MeOH: Me		
Sampler's Name:	Joey Pinson		TAT starts the day received by the lab, if received by 4:30pm																				HCL HC		HNO <sub>3</sub> : HN		
PO #:					H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>																		NaOH: Na				
SAMPLE RECEIPT		Temp Blank:	Yes	No	Wet Ice:	Yes	No	HOLD																H <sub>3</sub> PO <sub>4</sub> : HP			
Received Intact:		Yes	No	Thermometer ID:																				NaHSO <sub>4</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:		8		Corrected Temperature:																				NaOH+Ascorbic Acid: SAPC			
Sample Identification	Depth	Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments			
V-1	0-6"	8/30/2023	11:00	X		Grab	1	X	X	X																	1
V-2	0-6"	8/30/2023	11:05	X		Grab	1	X	X	X																	2
V-3	0-6"	8/30/2023	11:10	X		Grab	1	X	X	X																	3
H-1	0-6"	8/30/2023	11:15	X		Grab	1	X	X	X																	4
H-2	0-6"	8/30/2023	11:20	X		Grab	1	X	X	X																	5
H-3	0-6"	8/30/2023	11:25	X		Grab	1	X	X	X																	6
H-4	0-6"	8/30/2023	11:30	X		Grab	1	X	X	X																	7
H-5	0-6"	8/30/2023	11:35	X		Grab	1	X	X	X																	8

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
JP	Michelle Cuyula	8/31/23 10:25	Michelle Cuyula	Andrew Mays	8/31/23 2:00
Andrew Mays	Carth Mays	9/1/23 5:45			

## Envirotech Analytical Laboratory

Printed: 9/1/2023 11:05:16AM

## 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:	09/01/23 05:45	Work Order ID:	E308243
Phone:	(281) 872-9300	Date Logged In:	08/31/23 14:55	Logged In By:	Caitlin Mars
Email:	esessums@ntglobal.com	Due Date:	09/08/23 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? Yes
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

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? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

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

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

Sample Container

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

Field Label

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



Report to:  
Ethan Sessums



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

NTG-New Tech Global Environmental

Project Name: Gaucho Unit #017H

Work Order: E310112

Job Number: 01058-0007

Received: 10/17/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/23/23

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: 10/23/23



Ethan Sessums  
911 Regional Park Dr.  
Houston, TX 77060

Project Name: Gaucho Unit #017H  
Workorder: E310112  
Date Received: 10/17/2023 8:15:00AM

Ethan Sessums,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/17/2023 8:15:00AM, under the Project Name: Gaucho Unit #017H.

The analytical test results summarized in this report with the Project Name: Gaucho Unit #017H 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**  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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Sample Summary

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/23/23 11:35
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
TP-1 1	E310112-01A	Soil	10/13/23	10/17/23	Glass Jar, 4 oz.
TP-1 2	E310112-02A	Soil	10/13/23	10/17/23	Glass Jar, 4 oz.
TP-1 3	E310112-03A	Soil	10/13/23	10/17/23	Glass Jar, 4 oz.
TP-1 4	E310112-04A	Soil	10/13/23	10/17/23	Glass Jar, 4 oz.
TP-2 1	E310112-05A	Soil	10/13/23	10/17/23	Glass Jar, 4 oz.
TP-2 2	E310112-06A	Soil	10/13/23	10/17/23	Glass Jar, 4 oz.
TP-2 3	E310112-07A	Soil	10/13/23	10/17/23	Glass Jar, 4 oz.
TP-2 4	E310112-08A	Soil	10/13/23	10/17/23	Glass Jar, 4 oz.
TP-2 5	E310112-09A	Soil	10/13/23	10/17/23	Glass Jar, 4 oz.
TP-2 6	E310112-10A	Soil	10/13/23	10/17/23	Glass Jar, 4 oz.
TP-2 7	E310112-11A	Soil	10/13/23	10/17/23	Glass Jar, 4 oz.
TP-2 8	E310112-12A	Soil	10/13/23	10/17/23	Glass Jar, 4 oz.
TP-2 9	E310112-13A	Soil	10/13/23	10/17/23	Glass Jar, 4 oz.
TP-2 11	E310112-14A	Soil	10/13/23	10/17/23	Glass Jar, 4 oz.
TP-2 12	E310112-15A	Soil	10/13/23	10/17/23	Glass Jar, 4 oz.
TP-3 1	E310112-16A	Soil	10/13/23	10/17/23	Glass Jar, 4 oz.
TP-3 2	E310112-17A	Soil	10/13/23	10/17/23	Glass Jar, 4 oz.
TP-3 3	E310112-18A	Soil	10/13/23	10/17/23	Glass Jar, 4 oz.
TP-3 4	E310112-19A	Soil	10/13/23	10/17/23	Glass Jar, 4 oz.



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/23/2023 11:35:02AM
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TP-1 1  
E310112-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2342039	
Benzene	ND	0.0250	1	10/17/23	10/18/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/18/23	
Toluene	ND	0.0250	1	10/17/23	10/18/23	
o-Xylene	ND	0.0250	1	10/17/23	10/18/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/18/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	97.9 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	96.3 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2342039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	97.9 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	96.3 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2342043	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/23	10/19/23	
Surrogate: n-Nonane	54.5 %	50-200		10/17/23	10/19/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2342035	
Chloride	77.4	20.0	1	10/17/23	10/18/23	





## Sample Data

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

Project Name: Gaucho Unit #017H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
10/23/2023 11:35:02AM

## TP-1 2

## E310112-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Benzene	ND	0.0250	1	10/17/23	10/18/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/18/23	
Toluene	ND	0.0250	1	10/17/23	10/18/23	
o-Xylene	ND	0.0250	1	10/17/23	10/18/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/18/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	97.4 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	95.9 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	97.4 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	95.9 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342043
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/23	10/19/23	
Surrogate: n-Nonane	63.8 %	50-200		10/17/23	10/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342035
Chloride	256	20.0	1	10/17/23	10/18/23	



## Sample Data

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

Project Name: Gaucho Unit #017H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
10/23/2023 11:35:02AM

## TP-1 3

## E310112-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Benzene	ND	0.0250	1	10/17/23	10/18/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/18/23	
Toluene	ND	0.0250	1	10/17/23	10/18/23	
o-Xylene	ND	0.0250	1	10/17/23	10/18/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/18/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	99.9 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	95.2 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	99.9 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	95.2 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342043
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/23	10/19/23	
Surrogate: n-Nonane	65.6 %	50-200		10/17/23	10/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342035
Chloride	257	20.0	1	10/17/23	10/18/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/23/2023 11:35:02AM
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TP-1 4  
E310112-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Benzene	ND	0.0250	1	10/17/23	10/18/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/18/23	
Toluene	ND	0.0250	1	10/17/23	10/18/23	
o-Xylene	ND	0.0250	1	10/17/23	10/18/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/18/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	95.5 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	96.8 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	95.5 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	96.8 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342043
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/23	10/19/23	
Surrogate: n-Nonane	66.1 %	50-200		10/17/23	10/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342035
Chloride	46.0	20.0	1	10/17/23	10/18/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/23/2023 11:35:02AM
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TP-2 1  
E310112-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Benzene	ND	0.0250	1	10/17/23	10/18/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/18/23	
Toluene	ND	0.0250	1	10/17/23	10/18/23	
o-Xylene	ND	0.0250	1	10/17/23	10/18/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/18/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	99.5 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	93.7 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	96.3 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	99.5 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	93.7 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	96.3 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342043
Diesel Range Organics (C10-C28)	1030	125	5	10/17/23	10/19/23	
Oil Range Organics (C28-C36)	673	250	5	10/17/23	10/19/23	
Surrogate: n-Nonane	73.4 %	50-200		10/17/23	10/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342035
Chloride	2840	40.0	2	10/17/23	10/18/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/23/2023 11:35:02AM
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TP-2 2  
E310112-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Benzene	ND	0.0250	1	10/17/23	10/18/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/18/23	
Toluene	ND	0.0250	1	10/17/23	10/18/23	
o-Xylene	ND	0.0250	1	10/17/23	10/18/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/18/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	95.4 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	93.2 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	95.6 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	95.4 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	93.2 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	95.6 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342043
Diesel Range Organics (C10-C28)	1750	250	10	10/17/23	10/19/23	
Oil Range Organics (C28-C36)	1020	500	10	10/17/23	10/19/23	
Surrogate: n-Nonane	64.5 %	50-200		10/17/23	10/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342035
Chloride	1120	20.0	1	10/17/23	10/18/23	





Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/23/2023 11:35:02AM
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TP-2 3  
E310112-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Benzene	ND	0.0250	1	10/17/23	10/18/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/18/23	
Toluene	ND	0.0250	1	10/17/23	10/18/23	
o-Xylene	ND	0.0250	1	10/17/23	10/18/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/18/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	96.6 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	96.6 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342043
Diesel Range Organics (C10-C28)	331	50.0	2	10/17/23	10/19/23	
Oil Range Organics (C28-C36)	186	100	2	10/17/23	10/19/23	
Surrogate: n-Nonane	59.5 %	50-200		10/17/23	10/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342035
Chloride	308	20.0	1	10/17/23	10/18/23	



## Sample Data

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

Project Name: Gaucho Unit #017H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
10/23/2023 11:35:02AM

## TP-2 4

## E310112-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Benzene	ND	0.0250	1	10/17/23	10/18/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/18/23	
Toluene	ND	0.0250	1	10/17/23	10/18/23	
o-Xylene	ND	0.0250	1	10/17/23	10/18/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/18/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	96.1 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	95.6 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	96.1 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	95.6 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342043
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/23	10/19/23	
Surrogate: n-Nonane	60.5 %	50-200		10/17/23	10/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342035
Chloride	81.1	20.0	1	10/17/23	10/18/23	



## Sample Data

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

Project Name: Gaucho Unit #017H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
10/23/2023 11:35:02AM

## TP-2 5

## E310112-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Benzene	ND	0.0250	1	10/17/23	10/18/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/18/23	
Toluene	ND	0.0250	1	10/17/23	10/18/23	
o-Xylene	ND	0.0250	1	10/17/23	10/18/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/18/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	96.6 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	94.6 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	96.6 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	94.6 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342043
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/23	10/19/23	
Surrogate: n-Nonane	69.4 %	50-200		10/17/23	10/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342035
Chloride	ND	20.0	1	10/17/23	10/18/23	



## Sample Data

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

Project Name: Gaucho Unit #017H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
10/23/2023 11:35:02AM

## TP-2 6

## E310112-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Benzene	ND	0.0250	1	10/17/23	10/18/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/18/23	
Toluene	ND	0.0250	1	10/17/23	10/18/23	
o-Xylene	0.0435	0.0250	1	10/17/23	10/18/23	
p,m-Xylene	0.0685	0.0500	1	10/17/23	10/18/23	
Total Xylenes	0.112	0.0250	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	96.7 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	98.0 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	96.7 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	98.0 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342043
Diesel Range Organics (C10-C28)	941	125	5	10/17/23	10/19/23	
Oil Range Organics (C28-C36)	447	250	5	10/17/23	10/19/23	
Surrogate: n-Nonane	70.3 %	50-200		10/17/23	10/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342035
Chloride	669	20.0	1	10/17/23	10/18/23	



## Sample Data

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

Project Name: Gaucho Unit #017H  
Project Number: 01058-0007  
Project Manager: Ethan Sessums

**Reported:**  
10/23/2023 11:35:02AM

## TP-2 7

## E310112-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Benzene	ND	0.0250	1	10/17/23	10/18/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/18/23	
Toluene	ND	0.0250	1	10/17/23	10/18/23	
o-Xylene	ND	0.0250	1	10/17/23	10/18/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/18/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	96.2 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	93.7 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	96.2 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	93.7 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342043
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/23	10/19/23	
Surrogate: n-Nonane	68.9 %	50-200		10/17/23	10/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342035
Chloride	577	20.0	1	10/17/23	10/18/23	





Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/23/2023 11:35:02AM
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TP-2 8  
E310112-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Benzene	ND	0.0250	1	10/17/23	10/18/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/18/23	
Toluene	ND	0.0250	1	10/17/23	10/18/23	
o-Xylene	ND	0.0250	1	10/17/23	10/18/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/18/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	96.8 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	95.2 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	95.8 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	96.8 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	95.2 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	95.8 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342043
Diesel Range Organics (C10-C28)	42.8	25.0	1	10/17/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/23	10/19/23	
Surrogate: n-Nonane	64.1 %	50-200		10/17/23	10/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342035
Chloride	1010	20.0	1	10/17/23	10/18/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/23/2023 11:35:02AM
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TP-2 9  
E310112-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Benzene	ND	0.0250	1	10/17/23	10/18/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/18/23	
Toluene	ND	0.0250	1	10/17/23	10/18/23	
o-Xylene	ND	0.0250	1	10/17/23	10/18/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/18/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	96.1 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	93.1 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	96.1 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	93.1 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342043
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/23	10/19/23	
Surrogate: n-Nonane	69.2 %	50-200		10/17/23	10/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342035
Chloride	2150	20.0	1	10/17/23	10/18/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/23/2023 11:35:02AM
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TP-2 11

E310112-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Benzene	ND	0.0250	1	10/17/23	10/18/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/18/23	
Toluene	ND	0.0250	1	10/17/23	10/18/23	
o-Xylene	ND	0.0250	1	10/17/23	10/18/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/18/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	96.5 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	92.7 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	94.7 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	96.5 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	92.7 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	94.7 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342043
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/23	10/19/23	
Surrogate: n-Nonane	67.1 %	50-200		10/17/23	10/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342035
Chloride	84.5	20.0	1	10/17/23	10/18/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/23/2023 11:35:02AM
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TP-2 12

E310112-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Benzene	ND	0.0250	1	10/17/23	10/18/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/18/23	
Toluene	ND	0.0250	1	10/17/23	10/18/23	
o-Xylene	ND	0.0250	1	10/17/23	10/18/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/18/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	97.2 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	97.5 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	97.2 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	97.5 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342043
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/23	10/19/23	
Surrogate: n-Nonane	65.7 %	50-200		10/17/23	10/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342035
Chloride	169	20.0	1	10/17/23	10/18/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/23/2023 11:35:02AM
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TP-3 1  
E310112-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Benzene	ND	0.0250	1	10/17/23	10/18/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/18/23	
Toluene	ND	0.0250	1	10/17/23	10/18/23	
o-Xylene	0.0415	0.0250	1	10/17/23	10/18/23	
p,m-Xylene	0.0670	0.0500	1	10/17/23	10/18/23	
Total Xylenes	0.109	0.0250	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	97.7 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	93.2 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	94.6 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	97.7 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	93.2 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	94.6 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342043
Diesel Range Organics (C10-C28)	224	25.0	1	10/17/23	10/19/23	
Oil Range Organics (C28-C36)	73.9	50.0	1	10/17/23	10/19/23	
Surrogate: n-Nonane	71.0 %	50-200		10/17/23	10/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342035
Chloride	233	20.0	1	10/17/23	10/18/23	





Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/23/2023 11:35:02AM
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TP-3 2  
E310112-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Benzene	ND	0.0250	1	10/17/23	10/18/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/18/23	
Toluene	ND	0.0250	1	10/17/23	10/18/23	
o-Xylene	ND	0.0250	1	10/17/23	10/18/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/18/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	99.6 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	94.2 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	99.6 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	94.2 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342043
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/23	10/19/23	
Surrogate: n-Nonane	72.6 %	50-200		10/17/23	10/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342035
Chloride	ND	20.0	1	10/17/23	10/18/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/23/2023 11:35:02AM
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TP-3 3  
E310112-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Benzene	ND	0.0250	1	10/17/23	10/18/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/18/23	
Toluene	ND	0.0250	1	10/17/23	10/18/23	
o-Xylene	ND	0.0250	1	10/17/23	10/18/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/18/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	95.9 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	96.1 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene	95.9 %	70-130		10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130		10/17/23	10/18/23	
Surrogate: Toluene-d8	96.1 %	70-130		10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342043
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/23	10/19/23	
Surrogate: n-Nonane	69.7 %	50-200		10/17/23	10/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342035
Chloride	ND	20.0	1	10/17/23	10/18/23	



Sample Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported: 10/23/2023 11:35:02AM
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TP-3 4  
E310112-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Benzene	ND	0.0250	1	10/17/23	10/18/23	
Ethylbenzene	ND	0.0250	1	10/17/23	10/18/23	
Toluene	ND	0.0250	1	10/17/23	10/18/23	
o-Xylene	ND	0.0250	1	10/17/23	10/18/23	
p,m-Xylene	ND	0.0500	1	10/17/23	10/18/23	
Total Xylenes	ND	0.0250	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene		103 %	70-130	10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130	10/17/23	10/18/23	
Surrogate: Toluene-d8		95.7 %	70-130	10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342039
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/17/23	10/18/23	
Surrogate: Bromofluorobenzene		103 %	70-130	10/17/23	10/18/23	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130	10/17/23	10/18/23	
Surrogate: Toluene-d8		95.7 %	70-130	10/17/23	10/18/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342043
Diesel Range Organics (C10-C28)	ND	25.0	1	10/17/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/17/23	10/19/23	
Surrogate: n-Nonane		68.6 %	50-200	10/17/23	10/19/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342035
Chloride	ND	20.0	1	10/17/23	10/18/23	



QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Gaucho Unit #017H	Reported:  10/23/2023 11:35:02AM
911 Regional Park Dr.	Project Number:	01058-0007	
Houston TX, 77060	Project Manager:	Ethan Sessums	

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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 (2342039-BLK1) Prepared: 10/17/23 Analyzed: 10/18/23

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: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.480		0.500		96.0	70-130			

LCS (2342039-BS1) Prepared: 10/17/23 Analyzed: 10/18/23

Benzene	2.43	0.0250	2.50		97.3	70-130			
Ethylbenzene	2.39	0.0250	2.50		95.7	70-130			
Toluene	2.32	0.0250	2.50		92.8	70-130			
o-Xylene	2.42	0.0250	2.50		97.0	70-130			
p,m-Xylene	4.73	0.0500	5.00		94.7	70-130			
Total Xylenes	7.16	0.0250	7.50		95.5	70-130			
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.479		0.500		95.7	70-130			

Matrix Spike (2342039-MS1) Source: E310112-03 Prepared: 10/17/23 Analyzed: 10/18/23

Benzene	2.48	0.0250	2.50	ND	99.0	48-131			
Ethylbenzene	2.44	0.0250	2.50	ND	97.7	45-135			
Toluene	2.38	0.0250	2.50	ND	95.2	48-130			
o-Xylene	2.46	0.0250	2.50	ND	98.2	43-135			
p,m-Xylene	4.80	0.0500	5.00	ND	96.1	43-135			
Total Xylenes	7.26	0.0250	7.50	ND	96.8	43-135			
Surrogate: Bromofluorobenzene	0.484		0.500		96.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.479		0.500		95.8	70-130			

Matrix Spike Dup (2342039-MSD1) Source: E310112-03 Prepared: 10/17/23 Analyzed: 10/18/23

Benzene	2.43	0.0250	2.50	ND	97.4	48-131	1.69	23	
Ethylbenzene	2.37	0.0250	2.50	ND	94.7	45-135	3.08	27	
Toluene	2.30	0.0250	2.50	ND	92.0	48-130	3.42	24	
o-Xylene	2.37	0.0250	2.50	ND	94.8	43-135	3.56	27	
p,m-Xylene	4.62	0.0500	5.00	ND	92.4	43-135	3.88	27	
Total Xylenes	6.99	0.0250	7.50	ND	93.2	43-135	3.77	27	
Surrogate: Bromofluorobenzene	0.480		0.500		95.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.470		0.500		94.0	70-130			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported:  10/23/2023 11:35:02AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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 (2342039-BLK1) Prepared: 10/17/23 Analyzed: 10/18/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.480		0.500		96.0	70-130			

LCS (2342039-BS2) Prepared: 10/17/23 Analyzed: 10/18/23

Gasoline Range Organics (C6-C10)	42.8	20.0	50.0		85.5	70-130			
Surrogate: Bromofluorobenzene	0.483		0.500		96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.5	70-130			

Matrix Spike (2342039-MS2) Source: E310112-03 Prepared: 10/17/23 Analyzed: 10/18/23

Gasoline Range Organics (C6-C10)	41.0	20.0	50.0	ND	82.0	70-130			
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.476		0.500		95.1	70-130			

Matrix Spike Dup (2342039-MSD2) Source: E310112-03 Prepared: 10/17/23 Analyzed: 10/18/23

Gasoline Range Organics (C6-C10)	41.0	20.0	50.0	ND	82.1	70-130	0.174	20	
Surrogate: Bromofluorobenzene	0.478		0.500		95.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.6	70-130			





QC Summary Data

NTG-New Tech Global Environmental	Project Name:	Gaucho Unit #017H	Reported:
911 Regional Park Dr.	Project Number:	01058-0007	
Houston TX, 77060	Project Manager:	Ethan Sessums	10/23/2023 11:35:02AM

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 (2342043-BLK1)					Prepared: 10/17/23 Analyzed: 10/19/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	38.8		50.0		77.6	50-200			

LCS (2342043-BS1)					Prepared: 10/17/23 Analyzed: 10/19/23				
Diesel Range Organics (C10-C28)	212	25.0	250		84.8	38-132			
Surrogate: n-Nonane	37.4		50.0		74.8	50-200			

Matrix Spike (2342043-MS1)					Source: E310112-05		Prepared: 10/17/23 Analyzed: 10/19/23		
Diesel Range Organics (C10-C28)	1160	125	250	1030	53.7	38-132			
Surrogate: n-Nonane	33.9		50.0		67.8	50-200			

Matrix Spike Dup (2342043-MSD1)					Source: E310112-05		Prepared: 10/17/23 Analyzed: 10/19/23		
Diesel Range Organics (C10-C28)	1220	125	250	1030	77.2	38-132	4.95	20	
Surrogate: n-Nonane	34.2		50.0		68.4	50-200			



QC Summary Data

NTG-New Tech Global Environmental 911 Regional Park Dr. Houston TX, 77060	Project Name: Gaucho Unit #017H Project Number: 01058-0007 Project Manager: Ethan Sessums	Reported:  10/23/2023 11:35:02AM
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Anions by EPA 300.0/9056A

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 (2342035-BLK1)					Prepared: 10/17/23 Analyzed: 10/18/23				
Chloride	ND	20.0							
LCS (2342035-BS1)					Prepared: 10/17/23 Analyzed: 10/19/23				
Chloride	250	20.0	250		99.8	90-110			
Matrix Spike (2342035-MS1)					Source: E310112-07		Prepared: 10/17/23 Analyzed: 10/18/23		
Chloride	867	20.0	250	308	224	80-120			M2
Matrix Spike Dup (2342035-MSD1)					Source: E310112-07		Prepared: 10/17/23 Analyzed: 10/18/23		
Chloride	684	20.0	250	308	150	80-120	23.6	20	M2, R3

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:	Gaucho Unit #017H	
911 Regional Park Dr.	Project Number:	01058-0007	Reported:
Houston TX, 77060	Project Manager:	Ethan Sessums	10/23/23 11:35

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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





## Chain of Custody

Work Order No: E310112  
 Job # 01058-0007

Page 1 of 2

Project Manager:	Ethan Sessums	Bill to: (if different)	Wesley Matthews
Company Name:	NTG Environmental	Company Name:	Devon
Address:	209 W McKay St	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	esessums@ntglobal.com

Work Order Comments	
Program:	UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>
State of Project:	
Reporting:	Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/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:		Gaucho Unit #017H		Turn Around				ANALYSIS REQUEST										Preservative Codes			
Project Number:		237780		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code												None: NO DI Water: H <sub>2</sub> O			
Project Location:		Lea Co, NM		Due Date:														Cool: Cool MeOH: Me			
Sampler's Name:		Dmitry Niakanorov		TAT starts the day received by the lab, if received by 4:30pm														HCL: HC HNO <sub>3</sub> : HN			
PO #:		21199611																H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na			
SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No												H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID:														NaHSO <sub>4</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:		19		Corrected Temperature:														NaOH+Ascorbic Acid: SAPC			
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments			
TP-1	1	10/13/2023	11:30	X		Grab	1	X	X	X							1				
TP-1	2	10/13/2023	11:32	X		Grab	1	X	X	X							2				
TP-1	3	10/13/2023	11:34	X		Grab	1	X	X	X							3				
TP-1	4	10/13/2023	11:36	X		Grab	1	X	X	X							4				
TP-2	1	10/13/2023	11:38	X		Grab	1	X	X	X							5				
TP-2	2	10/13/2023	11:40	X		Grab	1	X	X	X							6				
TP-2	3	10/13/2023	11:42	X		Grab	1	X	X	X							7				
TP-2	4	10/13/2023	11:44	X		Grab	1	X	X	X							8				
TP-2	5	10/13/2023	11:46	X		Grab	1	X	X	X							9				
TP-2	6	10/13/2023	11:48	X		Grab	1	X	X	X							10				

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 <i>[Signature]</i>	<i>[Signature]</i>	10-16-23 10:00	2 <i>[Signature]</i>	<i>[Signature]</i>	10-16-23 11:30
3 <i>[Signature]</i>	<i>[Signature]</i>	10-17-23 8:15	4 <i>[Signature]</i>	<i>[Signature]</i>	
5 <i>[Signature]</i>			6 <i>[Signature]</i>		







## Envirotech Analytical Laboratory

Printed: 10/17/2023 12:56:32PM

## 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:	10/17/23 08:15	Work Order ID:	E310112
Phone:	(281) 872-9300	Date Logged In:	10/16/23 14:58	Logged In By:	Caitlin Mars
Email:	esssums@ntglobal.com	Due Date:	10/23/23 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? Yes
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

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? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



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

August 07, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GAUCHO UNIT #017H

Enclosed are the results of analyses for samples received by the laboratory on 08/05/24 15:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](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: 08/05/2024  
 Reported: 08/07/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 1 (H244691-01)**

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	08/06/2024	ND	1.90	95.2	2.00	5.07	
Toluene*	<0.050	0.050	08/06/2024	ND	1.98	98.9	2.00	4.58	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.03	102	2.00	4.17	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.27	104	6.00	4.23	
Total BTEX	<0.300	0.300	08/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	736	16.0	08/06/2024	ND	432	108	400	7.69	

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	08/06/2024	ND	205	102	200	4.11	
DRO >C10-C28*	1130	10.0	08/06/2024	ND	205	102	200	4.11	
EXT DRO >C28-C36	498	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 74.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 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: 08/05/2024  
 Reported: 08/07/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 2 (H244691-02)**

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	08/06/2024	ND	1.90	95.2	2.00	5.07		
Toluene*	<0.050	0.050	08/06/2024	ND	1.98	98.9	2.00	4.58		
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.03	102	2.00	4.17		
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.27	104	6.00	4.23		
Total BTEX	<0.300	0.300	08/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	176	16.0	08/06/2024	ND	432	108	400	7.69	

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	08/07/2024	ND	205	102	200	4.11	
DRO >C10-C28*	33.1	10.0	08/07/2024	ND	205	102	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.7 % 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: 08/05/2024  
 Reported: 08/07/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 3 (H244691-03)**

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	08/06/2024	ND	1.90	95.2	2.00	5.07		
Toluene*	<0.050	0.050	08/06/2024	ND	1.98	98.9	2.00	4.58		
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.03	102	2.00	4.17		
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.27	104	6.00	4.23		
Total BTEX	<0.300	0.300	08/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	640	16.0	08/06/2024	ND	432	108	400	7.69	

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	08/06/2024	ND	205	102	200	4.11	
DRO >C10-C28*	198	10.0	08/06/2024	ND	205	102	200	4.11	
EXT DRO >C28-C36	57.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 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: 08/05/2024  
 Reported: 08/07/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 4 (H244691-04)**

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	08/06/2024	ND	1.90	95.2	2.00	5.07	
Toluene*	<0.050	0.050	08/06/2024	ND	1.98	98.9	2.00	4.58	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.03	102	2.00	4.17	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.27	104	6.00	4.23	
Total BTEx	<0.300	0.300	08/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	784	16.0	08/06/2024	ND	432	108	400	7.69	

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	08/06/2024	ND	205	102	200	4.11	
DRO >C10-C28*	59.8	10.0	08/06/2024	ND	205	102	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 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: 08/05/2024  
 Reported: 08/07/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 5 (H244691-05)**

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	08/06/2024	ND	1.90	95.2	2.00	5.07		
Toluene*	<0.050	0.050	08/06/2024	ND	1.98	98.9	2.00	4.58		
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.03	102	2.00	4.17		
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.27	104	6.00	4.23		
Total BTEX	<0.300	0.300	08/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	224	16.0	08/06/2024	ND	432	108	400	7.69	

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	08/06/2024	ND	205	102	200	4.11	
DRO >C10-C28*	18.6	10.0	08/06/2024	ND	205	102	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 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: 08/05/2024  
 Reported: 08/07/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CS - 6 (H244691-06)**

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	08/06/2024	ND	1.90	95.2	2.00	5.07		
Toluene*	<0.050	0.050	08/06/2024	ND	1.98	98.9	2.00	4.58		
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.03	102	2.00	4.17		
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.27	104	6.00	4.23		
Total BTEX	<0.300	0.300	08/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	496	16.0	08/06/2024	ND	432	108	400	7.69	

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	08/06/2024	ND	205	102	200	4.11	
DRO >C10-C28*	85.5	10.0	08/06/2024	ND	205	102	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 75.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 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: 08/05/2024  
 Reported: 08/07/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 1 (H244691-07)**

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	08/06/2024	ND	1.90	95.2	2.00	5.07		
Toluene*	<0.050	0.050	08/06/2024	ND	1.98	98.9	2.00	4.58		
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.03	102	2.00	4.17		
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.27	104	6.00	4.23		
Total BTEx	<0.300	0.300	08/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	08/06/2024	ND	432	108	400	7.69		

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	08/06/2024	ND	205	102	200	4.11	
DRO >C10-C28*	1260	10.0	08/06/2024	ND	205	102	200	4.11	
EXT DRO >C28-C36	590	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 68.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 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: 08/05/2024  
 Reported: 08/07/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 2 (H244691-08)**

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	08/06/2024	ND	1.90	95.2	2.00	5.07		
Toluene*	<0.050	0.050	08/06/2024	ND	1.98	98.9	2.00	4.58		
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.03	102	2.00	4.17		
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.27	104	6.00	4.23		
Total BTEx	<0.300	0.300	08/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	688	16.0	08/06/2024	ND	432	108	400	7.69	

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	08/06/2024	ND	205	102	200	4.11	
DRO >C10-C28*	259	10.0	08/06/2024	ND	205	102	200	4.11	
EXT DRO >C28-C36	141	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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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: 08/05/2024  
 Reported: 08/07/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 3 (H244691-09)**

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	08/06/2024	ND	1.90	95.2	2.00	5.07		
Toluene*	<0.050	0.050	08/06/2024	ND	1.98	98.9	2.00	4.58		
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.03	102	2.00	4.17		
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.27	104	6.00	4.23		
Total BTEX	<0.300	0.300	08/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	192	16.0	08/06/2024	ND	432	108	400	7.69	

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	08/06/2024	ND	205	102	200	4.11	
DRO >C10-C28*	109	10.0	08/06/2024	ND	205	102	200	4.11	
EXT DRO >C28-C36	30.7	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 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: 08/05/2024  
 Reported: 08/07/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 4 (H244691-10)**

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	08/06/2024	ND	1.90	95.2	2.00	5.07		
Toluene*	<0.050	0.050	08/06/2024	ND	1.98	98.9	2.00	4.58		
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.03	102	2.00	4.17		
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.27	104	6.00	4.23		
Total BTEX	<0.300	0.300	08/06/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/06/2024	ND	432	108	400	7.69		

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	08/06/2024	ND	205	102	200	4.11	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	205	102	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 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: 08/05/2024  
 Reported: 08/07/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 5 (H244691-11)**

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	08/06/2024	ND	1.90	95.2	2.00	5.07		
Toluene*	<0.050	0.050	08/06/2024	ND	1.98	98.9	2.00	4.58		
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.03	102	2.00	4.17		
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.27	104	6.00	4.23		
Total BTEX	<0.300	0.300	08/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	960	16.0	08/06/2024	ND	432	108	400	7.69		

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	08/06/2024	ND	205	102	200	4.11	
DRO >C10-C28*	236	10.0	08/06/2024	ND	205	102	200	4.11	
EXT DRO >C28-C36	89.7	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 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: 08/05/2024  
 Reported: 08/07/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 6 (H244691-12)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2024	ND	1.90	95.2	2.00	5.07	
Toluene*	<0.050	0.050	08/06/2024	ND	1.98	98.9	2.00	4.58	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.03	102	2.00	4.17	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.27	104	6.00	4.23	
Total BTEX	<0.300	0.300	08/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	64.0	16.0	08/06/2024	ND	432	108	400	7.69	

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	08/06/2024	ND	205	102	200	4.11	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	205	102	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 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: 08/05/2024  
 Reported: 08/07/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 7 (H244691-13)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/06/2024	ND	1.90	95.2	2.00	5.07		
Toluene*	<0.050	0.050	08/06/2024	ND	1.98	98.9	2.00	4.58		
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.03	102	2.00	4.17		
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.27	104	6.00	4.23		
Total BTEx	<0.300	0.300	08/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	08/06/2024	ND	432	108	400	7.69	

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	08/06/2024	ND	205	102	200	4.11	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	205	102	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 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: 08/05/2024  
 Reported: 08/07/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 8 (H244691-14)**

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	08/06/2024	ND	1.90	95.2	2.00	5.07		
Toluene*	<0.050	0.050	08/06/2024	ND	1.98	98.9	2.00	4.58		
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.03	102	2.00	4.17		
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.27	104	6.00	4.23		
Total BTEX	<0.300	0.300	08/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	720	16.0	08/06/2024	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	08/07/2024	ND	205	102	200	4.11	
DRO >C10-C28*	16000	50.0	08/07/2024	ND	205	102	200	4.11	
EXT DRO >C28-C36	4770	50.0	08/07/2024	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 395 % 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: 08/05/2024  
 Reported: 08/07/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 9 (H244691-15)**

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	08/06/2024	ND	1.90	95.2	2.00	5.07		
Toluene*	<0.050	0.050	08/06/2024	ND	1.98	98.9	2.00	4.58		
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.03	102	2.00	4.17		
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.27	104	6.00	4.23		
Total BTEX	<0.300	0.300	08/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	832	16.0	08/06/2024	ND	432	108	400	7.69	

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	08/06/2024	ND	205	102	200	4.11	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	205	102	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 75.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.3 % 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: 08/05/2024  
 Reported: 08/07/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 10 (H244691-16)**

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	08/06/2024	ND	1.90	95.2	2.00	5.07		
Toluene*	<0.050	0.050	08/06/2024	ND	1.98	98.9	2.00	4.58		
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.03	102	2.00	4.17		
Total Xylenes*	<0.150	0.150	08/06/2024	ND	6.27	104	6.00	4.23		
Total BTEx	<0.300	0.300	08/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	112	16.0	08/06/2024	ND	432	108	400	7.69	

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	08/06/2024	ND	205	102	200	4.11	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	205	102	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.8 % 49.1-148

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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: 08/05/2024  
 Reported: 08/07/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 11 (H244691-17)**

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	08/06/2024	ND	2.10	105	2.00	0.768	
Toluene*	<0.050	0.050	08/06/2024	ND	2.29	114	2.00	1.97	
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.39	120	2.00	1.08	
Total Xylenes*	<0.150	0.150	08/06/2024	ND	7.29	121	6.00	0.252	
Total BTEX	<0.300	0.300	08/06/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/06/2024	ND	432	108	400	7.69		

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	08/06/2024	ND	211	105	200	0.381	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	207	103	200	0.378	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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: 08/05/2024  
 Reported: 08/07/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW - 12 (H244691-18)**

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	08/06/2024	ND	2.10	105	2.00	0.768		
Toluene*	<0.050	0.050	08/06/2024	ND	2.29	114	2.00	1.97		
Ethylbenzene*	<0.050	0.050	08/06/2024	ND	2.39	120	2.00	1.08		
Total Xylenes*	<0.150	0.150	08/06/2024	ND	7.29	121	6.00	0.252		
Total BTEX	<0.300	0.300	08/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	160	16.0	08/07/2024	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	08/06/2024	ND	211	105	200	0.381	
DRO >C10-C28*	<10.0	10.0	08/06/2024	ND	207	103	200	0.378	
EXT DRO >C28-C36	<10.0	10.0	08/06/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- 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: 1644691

Page 1 of 2

Project Manager:	Ethan Sessums	Bill to: (if different)	Date Woodall
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 W McKay St	Address:	205 E Bender Blvd
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Hobbs, NM 88240
Phone:	432-701-2159	Email:	esessums@ntglobal.com

Project Name:		Gaucha Unit #017H	
Project Number:	237780	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	
Project Location:	Lea Co. NM	Due Date:	48hr
Sampler's Name:	Kellan Smith	TAT starts the day received by the lab, if received by 4:30pm	
PO #:	21199611		

SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	18				
Total Containers:	18						

Parameters	Pres. Code	ANALYSIS REQUEST											
BTEX 8021B													
TPH 8015M ( GRO + DRO + MRO)													
Chloride 4500													
HOLD													
Preservative Codes													
None: NO    DI Water: H <sub>2</sub> O													
Cool: Cool    MeOH: Me													
HCL: HC    HNO <sub>3</sub> : HN													
H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na													
H <sub>3</sub> PO <sub>4</sub> : HP													
NaHSO <sub>4</sub> : NABIS													
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NASO <sub>3</sub>													
Zn Acetate+NaOH: Zn													
NaOH+Ascorbic Acid: SAPC													



Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Iupurd <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:	

12345678910

Additional Comments:

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		8-5-24 1537			





Chain of Custody

Work Order No: A244691

Page 2 of 2

Project Manager:	Ethan Sessums	Bill to: (if different)	Date Woodall
Company Name:	NTG Environmental	Company Name:	Devon Energy
Address:	209 W McKay St	Address:	205 E Bender Blvd
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Hobbs, NM 88240
Phone:	432-701-2159	Email:	esessums@ntglobal.com

Project Name:		Gaucha Unit #017H	Turn Around	Pres. Code	ANALYSIS REQUEST										Preservative Codes		
Project Number:	237780	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush													None: NO	DI Water: H <sub>2</sub> O
Project Location:	Lea Co. NM	Due Date:	48hr													Cool: Cool	MeOH: Me
Sampler's Name:	Kellan Smith	TAT starts the day received by the lab, if received by 4:30pm														HCL: HC	HNO <sub>3</sub> : HN
PO #:	21199611															H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na

SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters										HOLD	
Received Inact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	BTEX 8021B										NaHSO <sub>4</sub> : NABIS	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	TPH 8015M ( GRO + DRO + MRO)										Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>					
Total Containers:	18	Chloride 4500										Zn Acetate+NaOH: Zn							
NaOH+Ascorbic Acid: SAPC																			

Project Name:		Gaucho Unit #017H		Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes	
Project Number:	237780	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush													None: NO	DI Water: H <sub>2</sub> O	
Project Location:	Lea Co, NM	Due Date:	48hr													Cool: Cool	MeOH: Me	
Sampler's Name:	Kelian Smith	TAT starts the day received by the lab, if received by 4:30pm														HCL: HC	HNO <sub>3</sub> : HN	
PO #:	21199611															H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Parameters												
Received Intact:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Thermometer ID:																
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Correction Factor:																
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:																
Total Containers:	18	Corrected Temperature:																
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments
SW-5		8/5/2024		X		Comp	1	X	X	X								
SW-6		8/5/2024		X		Comp	1	X	X	X								
SW-7		8/5/2024		X		Comp	1	X	X	X								
SW-8		8/5/2024		X		Comp	1	X	X	X								
SW-9		8/5/2024		X		Comp	1	X	X	X								
SW-10		8/5/2024		X		Comp	1	X	X	X								
SW-11		8/5/2024		X		Comp	1	X	X	X								
SW-12		8/5/2024		X		Comp	1	X	X	X								
BTEX 8021B																		
TPH 8015M ( GRO + DRO + MRO)																		
Chloride 4500																		
HOLD																		
H <sub>3</sub> PO <sub>4</sub> : HP																		
NaHSO <sub>4</sub> : NABIS																		
Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub>																		
Zn Acetate+NaOH: Zn																		
NaOH+Ascorbic Acid: SAPC																		

Additional Comments:

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<i>[Signature]</i>	<i>[Signature]</i>	8-5-24 1537			





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---

August 16, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GAUCHO UNIT #017H

Enclosed are the results of analyses for samples received by the laboratory on 08/14/24 12:56.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

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: 08/14/2024  
 Reported: 08/16/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 1 (H244911-01)**

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	08/14/2024	ND	2.07	104	2.00	10.2	
Toluene*	<0.050	0.050	08/14/2024	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.03	101	2.00	11.2	
Total Xylenes*	<0.150	0.150	08/14/2024	ND	5.95	99.1	6.00	11.6	
Total BTEX	<0.300	0.300	08/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	80.0	16.0	08/15/2024	ND	416	104	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	08/14/2024	ND	195	97.3	200	5.56	
DRO >C10-C28*	11.0	10.0	08/14/2024	ND	201	101	200	8.18	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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: 08/14/2024  
 Reported: 08/16/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 3 (H244911-02)**

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	08/14/2024	ND	2.07	104	2.00	10.2		
Toluene*	<0.050	0.050	08/14/2024	ND	2.02	101	2.00	10.6		
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.03	101	2.00	11.2		
Total Xylenes*	<0.150	0.150	08/14/2024	ND	5.95	99.1	6.00	11.6		
Total BTEX	<0.300	0.300	08/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 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	80.0	16.0	08/15/2024	ND	416	104	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	08/14/2024	ND	195	97.3	200	5.56	
DRO >C10-C28*	15.1	10.0	08/14/2024	ND	201	101	200	8.18	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 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: 08/14/2024  
 Reported: 08/16/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 4 (H244911-03)**

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	08/14/2024	ND	2.07	104	2.00	10.2		
Toluene*	<0.050	0.050	08/14/2024	ND	2.02	101	2.00	10.6		
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.03	101	2.00	11.2		
Total Xylenes*	<0.150	0.150	08/14/2024	ND	5.95	99.1	6.00	11.6		
Total BTEX	<0.300	0.300	08/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 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	96.0	16.0	08/15/2024	ND	416	104	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	08/14/2024	ND	195	97.3	200	5.56	
DRO >C10-C28*	15.2	10.0	08/14/2024	ND	201	101	200	8.18	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 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: 08/14/2024  
 Reported: 08/16/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 7 (H244911-04)**

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	08/14/2024	ND	2.07	104	2.00	10.2		
Toluene*	<0.050	0.050	08/14/2024	ND	2.02	101	2.00	10.6		
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.03	101	2.00	11.2		
Total Xylenes*	<0.150	0.150	08/14/2024	ND	5.95	99.1	6.00	11.6		
Total BTEx	<0.300	0.300	08/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	128	16.0	08/15/2024	ND	416	104	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	08/14/2024	ND	195	97.3	200	5.56	
DRO >C10-C28*	15.2	10.0	08/14/2024	ND	201	101	200	8.18	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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: 08/14/2024  
 Reported: 08/16/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 1A (H244911-05)**

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	08/14/2024	ND	2.07	104	2.00	10.2		
Toluene*	<0.050	0.050	08/14/2024	ND	2.02	101	2.00	10.6		
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.03	101	2.00	11.2		
Total Xylenes*	<0.150	0.150	08/14/2024	ND	5.95	99.1	6.00	11.6		
Total BTEX	<0.300	0.300	08/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 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	80.0	16.0	08/15/2024	ND	416	104	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	08/14/2024	ND	220	110	200	3.61	
DRO >C10-C28*	13.0	10.0	08/14/2024	ND	225	113	200	7.37	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 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: 08/14/2024  
 Reported: 08/16/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 3A (H244911-06)**

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	08/14/2024	ND	2.07	104	2.00	10.2	
Toluene*	<0.050	0.050	08/14/2024	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	08/14/2024	ND	2.03	101	2.00	11.2	
Total Xylenes*	<0.150	0.150	08/14/2024	ND	5.95	99.1	6.00	11.6	
Total BTEX	<0.300	0.300	08/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 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	96.0	16.0	08/15/2024	ND	416	104	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	08/14/2024	ND	220	110	200	3.61	
DRO >C10-C28*	13.5	10.0	08/14/2024	ND	225	113	200	7.37	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 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: 08/14/2024  
 Reported: 08/16/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 5A (H244911-07)**

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	08/15/2024	ND	1.98	98.8	2.00	3.29		
Toluene*	<0.050	0.050	08/15/2024	ND	2.08	104	2.00	2.50		
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.14	107	2.00	2.01		
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.51	108	6.00	1.61		
Total BTEx	<0.300	0.300	08/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	80.0	16.0	08/15/2024	ND	416	104	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	08/14/2024	ND	220	110	200	3.61	
DRO >C10-C28*	19.9	10.0	08/14/2024	ND	225	113	200	7.37	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 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: 08/14/2024  
 Reported: 08/16/2024  
 Project Name: GAUCHO UNIT #017H  
 Project Number: 237780  
 Project Location: DEVON - LEA CO NM

Sampling Date: 08/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW - 9A (H244911-08)**

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	08/15/2024	ND	1.98	98.8	2.00	3.29	
Toluene*	<0.050	0.050	08/15/2024	ND	2.08	104	2.00	2.50	
Ethylbenzene*	<0.050	0.050	08/15/2024	ND	2.14	107	2.00	2.01	
Total Xylenes*	<0.150	0.150	08/15/2024	ND	6.51	108	6.00	1.61	
Total BTEx	<0.300	0.300	08/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	96.0	16.0	08/15/2024	ND	416	104	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	08/14/2024	ND	220	110	200	3.61	
DRO >C10-C28*	16.0	10.0	08/14/2024	ND	225	113	200	7.37	
EXT DRO >C28-C36	<10.0	10.0	08/14/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



**BILL TO**

## ANALYSIS REQUEST

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

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Phone: (505) 629-6116

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

QUESTIONS

Action 381358

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 381358
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2320533965
Incident Name	NAPP2320533965 GAUCHO UNIT #017H @ 30-025-41854
Incident Type	Oil Release
Incident Status	Deferral Request Received
Incident Well	[30-025-41854] GAUCHO UNIT #017H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	GAUCHO UNIT #017H
Date Release Discovered	07/21/2023
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure   Well   Crude Oil   Released: 3 BBL   Recovered: 0 BBL   Lost: 3 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Well   Produced Water   Released: 3 BBL   Recovered: 0 BBL   Lost: 3 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Leak was due to worn packing along with high tubing pressure possible. The braid BP valve got some trash in it raising the tubing pressure and causing a release. The unit was already down so the LO went to isolating the well. No fluids recovered. 5.49 bbls released



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

QUESTIONS, Page 2

Action 381358

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 381358
	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)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. 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: 09/06/2024
--	--

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Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

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

QUESTIONS, Page 3

Action 381358

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number: 381358
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

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

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	9090
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	20770
GRO+DRO (EPA SW-846 Method 8015M)	16000
BTEX (EPA SW-846 Method 8021B or 8260B)	5
Benzene (EPA SW-846 Method 8021B or 8260B)	0.3
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	07/29/2024
On what date will (or did) the final sampling or liner inspection occur	08/14/2024
On what date will (or was) the remediation complete(d)	08/30/2024
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	973
What is the estimated volume (in cubic yards) that will be remediated	103
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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**State of New Mexico**  
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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 4

Action 381358

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 381358
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(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	No
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 09/06/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 381358

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 381358
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	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	Impacted area is surrounded by a pump jack and the wellhead
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	300
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	45
<i>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.</i>	
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	30-025-41854 GAUCHO UNIT #017H
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 09/06/2024

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QUESTIONS, Page 6  
  
Action 381358

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 381358
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	372521
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/14/2024
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	1000

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 381358

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 381358
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	11/14/2024