



July 18, 2025

**New Mexico Energy Minerals and Natural Resources Department**

New Mexico Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

**Re: Closure Request  
Gaucho Unit #017H  
Incident Number nAPP2505549541  
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Devon Energy Production Company, LP (Devon), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities at the Gaucho Unit #017H (Site). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of produced water and crude oil onto the well pad. Based on field observations, field screening activities, and soil sample laboratory analytical results, Devon is submitting this *Closure Request*, describing Site assessment, delineation, and excavation activities that have occurred and requesting no further action for Incident Number nAPP2505549541.

**SITE DESCRIPTION AND RELEASE SUMMARY**

The Site is located in Unit P, Section 19, Township 22 South, Range 34 East, in Lea County, New Mexico (32.370479°, -103.502016°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On February 21, 2025, the stuffing box on the wellhead started leaking, resulting in the release of approximately 30 barrels (bbls) of produced water and 64 bbls of crude oil onto the caliche pad. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; 21 bbls of produced water and 54 bbls of crude oil were recovered from the pad surface. Devon reported the release to the New Mexico Oil Conservation Division (NMOCD) via on the NMOCD Portal February 24, 2025, and submitted a Release Notification Form C-141 on February 26, 2025. The release was assigned Incident Number nAPP2505549541. The Form C-141 can be referenced on the NMOCD Portal.

**SITE CHARACTERIZATION AND CLOSURE CRITERIA**

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential Site receptors are identified on Figure 1.

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well CP 01990 POD1, located approximately 284 feet west of the Site; the well was drilled to assess depth to water. CP 01990 POD1 had a reported depth to groundwater greater than 60 feet below ground surface (bgs) and a total depth of 60 feet bgs; the well was subsequently plugged and abandoned following the depth to water assessment. The NMOSE online database has well CP 01631 listed on the website; however there is no log file available for this well and no such well can be identified within 1,000 feet of the Site. There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features, wetlands, or vegetation to suggest the Site is conducive to shallower groundwater. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a freshwater emergent wetland, located approximately 1.85 miles southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 10,000 mg/kg

## SITE ASSESSMENT ACTIVITIES

On February 28, 2025, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Thirteen preliminary soil samples (SS01 through SS13) were collected around the release extent at ground surface to assess the lateral extent of the impacted area and 14 boreholes (BH01 through BH14) were advanced within the release extent to assess the vertical extent of impacted soil. Additional lateral and vertical delineation soil sample locations were added to determine if the overspray extended beyond the visible mist zone on-pad. Boreholes BH01 and BH02 were advanced to a depth of 1-foot bgs, BH03 and BH04 were advanced to a depth of 7 feet bgs, and BH05 through BH08 were advanced to a depth of 0.5 feet bgs. Boreholes (BH09 through BH14) were advanced to a depth of 0.5 feet bgs in the off-pad area to assess for the presence of any possible impacts due to high winds at the time of the release. The preliminary soil samples were field screened for chloride and TPH utilizing Hach® chloride QuanTab® test strips and a PetroFLAG® Soil Analyzer System, respectively. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographs of field activities are included in Appendix B. Field screening results and observations for the boreholes greater than 0.5 feet in depth were logged on lithologic/soil sampling logs, which are included in Appendix C.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice and transported under strict chain-

of-custody procedures to Envirotech Analysis Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

## EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Beginning on May 23, 2025, impacted soil was excavated from the release area as indicated by visible staining and delineation soil sampling results. Excavation activities were performed using a hydro-vac, tracked excavator, loader, hand digging, and belly dump trucks. The excavation occurred on the north and west sides of the wellhead. To direct excavation activities, Ensolum personnel screened soil for chloride and TPH in the same manner previously described.

Following removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing at most, 400 square feet from the floor of the excavation. A confirmation sampling variance request was submitted on April 4, 2025, to increase the sampling area to every 400 square feet from the floor of the excavation and every 200 square feet from the sidewalls of the excavation, where applicable. The confirmation sampling variance request was approved via email on April 4, 2025. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples (FS01 through FS49) were collected from the floor of the excavation at depths ranging from 0.5 feet to 9 feet bgs. Composite sidewall soil samples (SW01 through SW09) were collected from the sidewalls of the excavation at depths ranging from ground surface to 9 feet bgs. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

Ensolum personnel returned to the Site on June 12, 2025, to advance the excavation and recollect three confirmation floor samples, FS12, FS15, and FS26, in accordance with the reclamation requirement. The final excavation extent measured approximately 19,081 square feet. A total of approximately 1,280 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Northern Delaware Basin Landfill, New Mexico. After completion of confirmation sampling, the excavation areas were secured with fencing.

## LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples SS01 through SS13 indicated all COC concentrations were all in compliance with the strictest Closure Criteria per NMOCD Table I at ground surface. Laboratory analytical results for boreholes BH01 and BH02 indicated all COCs were in compliance with the strictest Closure Criteria at 1-foot bgs. Laboratory analytical results for boreholes BH03 and BH04 indicated all COCs were in compliance with the strictest Closure Criteria at 7 feet bgs. Laboratory analytical results for boreholes BH06 and BH08 indicated all COCs were in compliance with the strictest Closure Criteria at 0.5 feet bgs. Laboratory analytical results for boreholes BH05, BH07, and (BH09 through BH14) indicated all COCs were in compliance with the strictest Closure Criteria at ground surface level and 0.5 feet bgs. The off-pad area was delineated to assess for any potential impacts; however, COCs were not detected, confirming the absence of impacts to the off-pad area and not requiring remedial actions.

Laboratory analytical results for excavation floor soil samples FS01 through FS49 collected at depths ranging from ground surface to 4 feet bgs indicated all COC concentrations were compliant with the Site Closure Criteria. Confirmation floor samples FS12, FS15 and FS26 were advanced to a depth of 0.25 feet bgs in accordance with the strictest Closure Criteria. Laboratory analytical results for sidewall

soil samples SW01 through SW09, collected at depths ranging from ground surface to 9 feet bgs, indicated all COC concentrations were compliant with the strictest Closure Criteria. Laboratory analytical results are summarized in Tables 1 through 4 and the complete laboratory analytical reports are included as Appendix D.

## CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the February 2025 release of produced water and crude oil. Laboratory analytical results for the excavation floor soil samples (FS01 through FS49) and sidewall soil samples (SW01 through SW09) indicated all COC concentrations were in compliance with Site Closure Criteria and in compliance with the reclamation requirement in the top 4 feet of soil, where applicable. Based on the soil sample analytical results, no further remediation was required.

Excavation of impacted and waste-containing soil has mitigated adverse conditions at this Site. Depth to groundwater has been estimated to be greater than 60 feet bgs and no other sensitive receptors were identified near the release extent. Devon believes these remedial actions are protective of human health, the environment, and groundwater. As such, Devon respectfully requests closure for Incident Number nAPP2505549541.

If you have any questions or comments, please contact Ms. Ashley Giovengo at (575) 988-0055 or [agiovengo@ensolum.com](mailto:agiovengo@ensolum.com).

Sincerely,  
**Ensolum, LLC**



Ashley Giovengo  
Associate Principal



Daniel R. Moir, PG (licensed in WY & TX)  
Senior Managing Geologist

## Appendices:

Figure 1 Site Receptor Map  
Figure 2 Delineation Soil Sample Locations  
Figure 3 Excavation Soil Sample Locations

Table 1 Soil Sample Analytical Results (Delineation Soil Samples)  
Table 2 Soil Sample Analytical Results (Excavation Floor Soil Samples)  
Table 3 Soil Sample Analytical Results (Sidewall Soil Samples)  
Table 4 Soil Sample Analytical Results (Backfill Soil Sample)

Appendix A Well Log and Record  
Appendix B Photographic Log  
Appendix C Lithologic / Soil Sampling Logs  
Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation  
Appendix E NMOCD Correspondence





FIGURES

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**Legend**

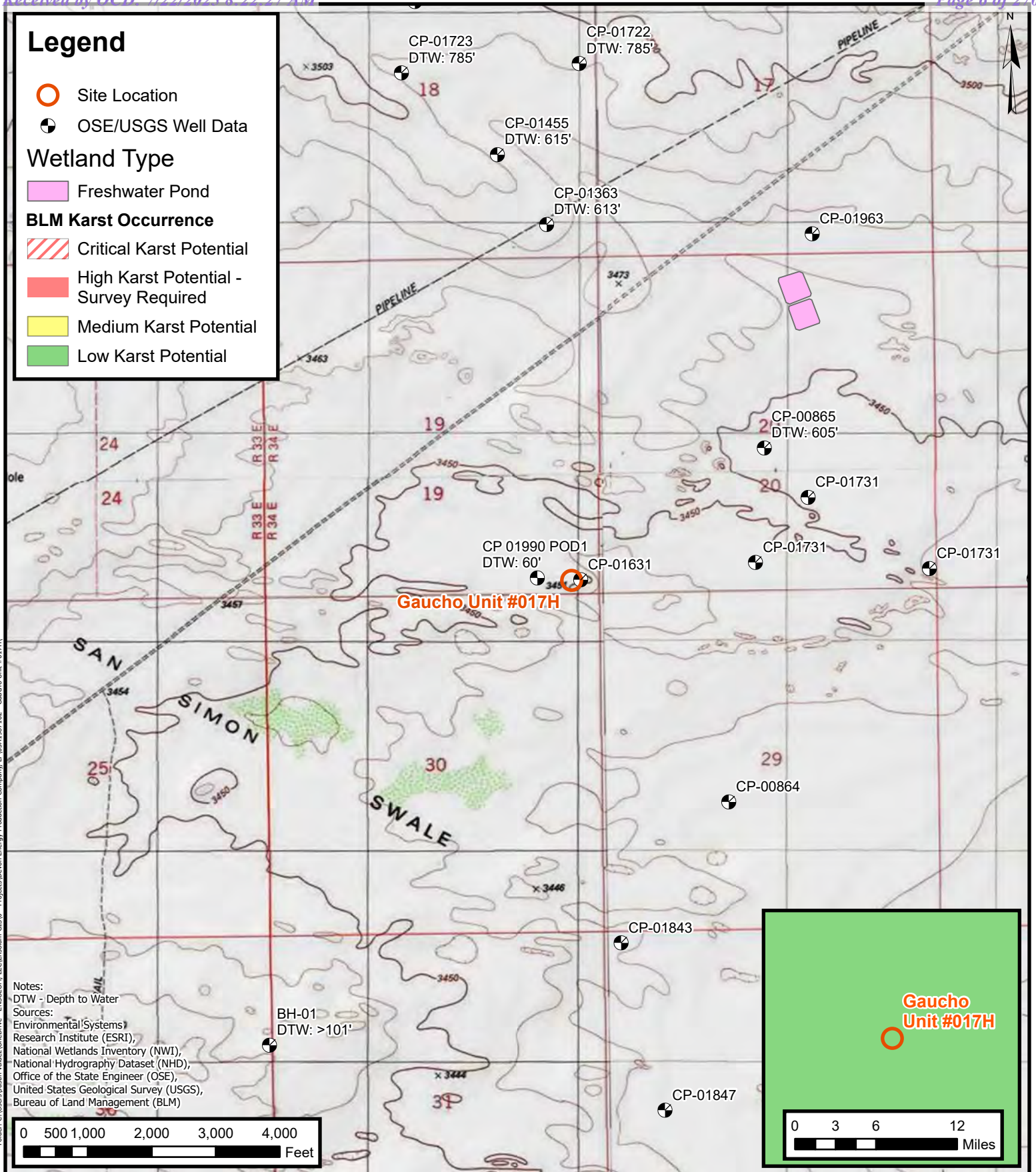
- Site Location
- OSE/USGS Well Data

**Wetland Type**

- Freshwater Pond

**BLM Karst Occurrence**

- Critical Karst Potential
- High Karst Potential - Survey Required
- Medium Karst Potential
- Low Karst Potential

**Site Receptor Map**

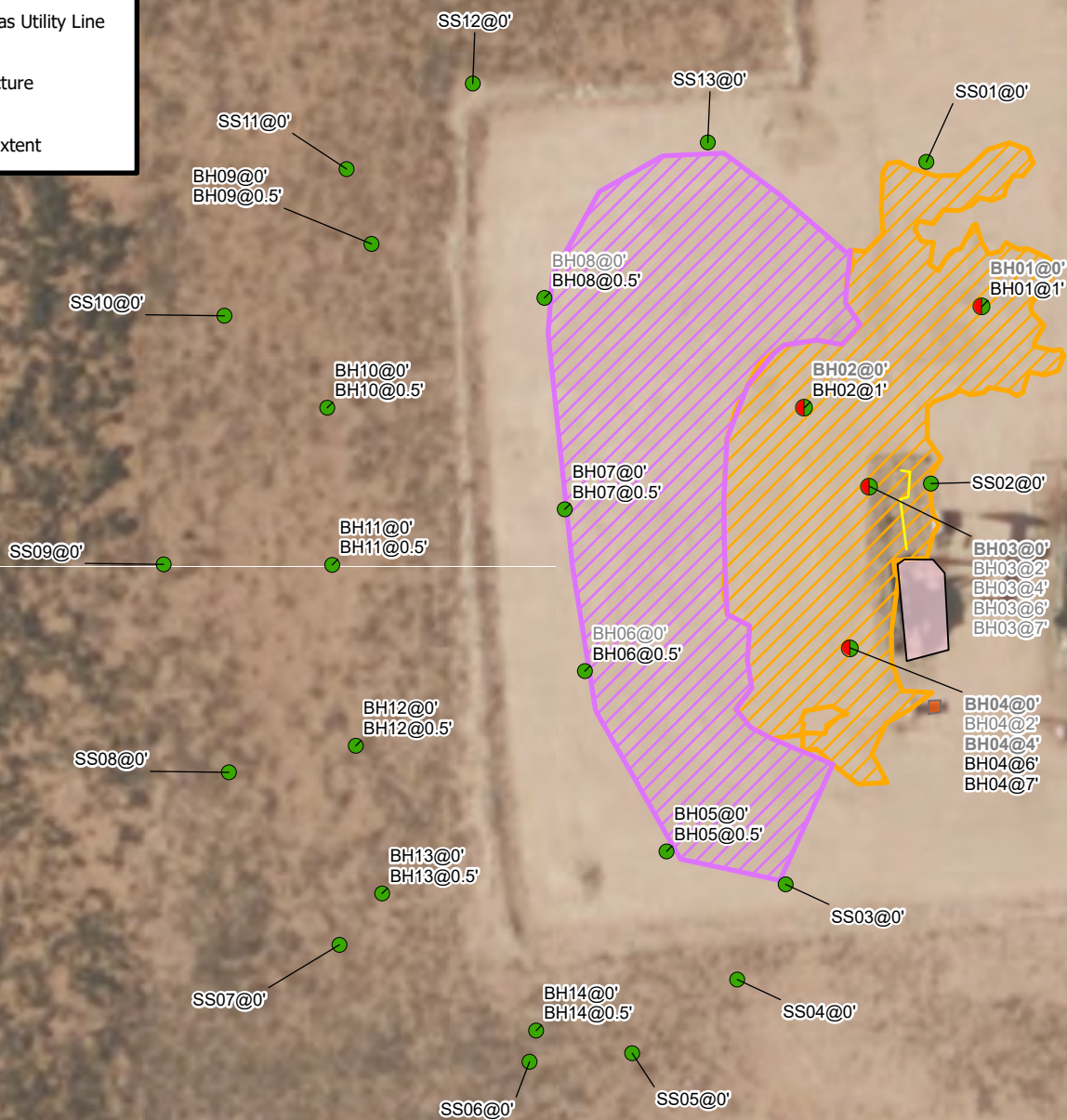
Devon Energy Production Company, LP  
Gaucha Unit #017H  
Incident Number: nAPP2505549541  
Unit P, Section 19, T 22S, R 34E  
Lea County, New Mexico

**FIGURE****1**



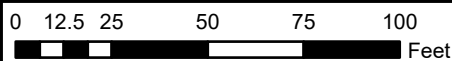
## Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Oil and Gas Utility Line
- Electrical
- Infrastructure
- Mist zone
- Release Extent



### Notes:

Sample ID @ Depth Below Ground Surface.  
 Samples in bold indicate sample exceeded applicable Closure Criteria.  
 Grey text indicate soil sample was removed during excavation activities.



Sources: Environmental Systems Research Institute (ESRI)



## Delineation Soil Sample Locations

Devon Energy Production Company, LP  
 Gaucho Unit #017H  
 Incident Number: nAPP2505549541  
 Unit P, Section 19, T 22S, R 34E  
 Lea County, New Mexico

FIGURE  
2

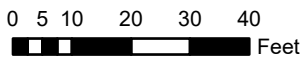


**Legend**

- Confirmation Floor  
Sample in Compliance  
with Closure Criteria
- ▲ Confirmation Sidewall  
Sample in Compliance  
with Closure Criteria
- ▨ Excavation Extent
- Control Panel
- Pumpjack



Notes:  
 Sample ID @ Depth Below Ground/Surface.  
 Grey text indicate soil sample has been excavated.



Sources: Environmental Systems Research Institute (ESRI)

**Confirmation Soil Sample Location**

Devon Energy Production Company, LP  
 Gaucha Unit #017H  
 Incident Number: nAPP2505549541  
 Unit P, Section 19, T 22S, R 34E  
 Lea County, New Mexico

**FIGURE****3**



TABLES

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**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Gaucho Unit #017H  
 Devon Energy Production Company, LP  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>10,000</b>
<b>Delineation Soil Samples</b>										
SS01	2/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS01	2/28/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS02	2/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	92.5
SS02	2/28/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	188
SS03	2/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	30.5
SS03	2/28/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	2/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05	2/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS06	2/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS07	2/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS08	2/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS09	2/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS10	2/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS11	2/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS12	2/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS13	2/28/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH01	3/3/2025	0	91	439	2,810	35,900	13,800	38,710	52,510	7,240
BH01	3/3/2025	1	<0.0250	<0.0500	<20.0	67.5	<50.0	67.5	67.5	<20.0
BH02	3/3/2025	0	35	163	999	21,600	7,620	22,599	30,219	12,100
BH02	3/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	45.3
BH03	3/3/2025	0	2.904	14.894	128	1,990	1,160	2,118	3,278	18,200
BH03	3/3/2025	2	<0.0250	0.265	<20.0	<25.0	<50.0	<25.0	<50.0	3,330
BH03	3/3/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,340
BH03	3/3/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	909
BH03	3/3/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	305
BH04	3/3/2025	0	32.6	158.2	986	15,600	5,350	16,586	21,936	24,100
BH04	3/3/2025	2	0.0470	0.3005	<20.0	794	554	794	1,348	2,640
BH04	3/3/2025	4	<0.0250	0.0260	<20.0	2,590	1,640	2,590	4,230	3,430
BH04	3/3/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,560
BH04	3/3/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	79.8



**TABLE 1 - CONT'D**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Gaucho Unit #017H  
 Devon Energy Production Company, LP  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>10,000</b>
<b>Delineation Soil Samples</b>										
BH05	3/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH05	3/5/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH06	3/5/2025	0	<0.0250	<0.0500	<20.0	121	86.3	121	207.3	71.4
BH06	3/5/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	36.1
BH07	3/5/2025	0	<0.0250	<0.0500	<20.0	61.6	<50.0	61.6	61.6	30.4
BH07	3/5/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH08	3/5/2025	0	<0.0250	<0.0500	<20.0	127	96.4	127	223.4	82.8
BH08	3/5/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH09	3/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH09	3/5/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH10	3/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH10	3/5/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH11	3/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH11	3/5/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH12	3/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH12	3/5/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH13	3/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH13	3/5/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH14	3/5/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH14	3/5/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

**Notes:**

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

&lt;": Laboratory Analytical result is less than reporting limit

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

\* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



**TABLE 2**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Gaucho Unit #017H  
 Devon Energy Production Company, LP  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>10,000</b>
<b>Excavation Floor Soil Samples</b>										
FS01	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS02	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	37.2
FS03	5/29/2025	0	<0.0250	<0.0500	<20.0	35.0	<50.0	35.0	35.0	35.5
FS04	5/29/2025	0	<0.0250	<0.0500	<20.0	45.6	<50.0	45.6	45.6	32.5
FS05	5/29/2025	0	<0.0250	<0.0500	<20.0	77.8	<50.0	77.8	77.8	263
FS06	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	54.6
FS07	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	205
FS08	5/28/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS09	5/27/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS10	5/28/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS11	5/28/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	314
FS12	5/29/2025	0	<0.0250	<0.0500	<20.0	85.8	62.8	85.8	148.6	41.0
FS12	6/12/2025	0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	122.0
FS13	5/29/2025	0	<0.0250	<0.0500	<20.0	125	96.8	125	<50.0	30.8
FS14	5/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	61.1
FS15	5/29/2025	0	<0.0250	<0.0500	<20.0	89.2	65.6	89.2	154.8	207
FS15	6/12/2025	0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	144
FS16	5/29/2025	0	<0.0250	<0.0500	<20.0	45.3	<50.0	45.3	45.3	211
FS17	5/29/2025	0	<0.0250	<0.0500	<20.0	46.7	<50.0	46.7	46.7	354
FS18	5/28/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS19	5/27/2025	4	<0.0250	<0.0500	<20.0	32.7	153	32.7	186	229

**Notes:**

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mg/kg: milligrams per kilogram

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Grey text represents samples that have been excavated

&lt;": Laboratory Analytical result is less than reporting limit

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

\* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



**TABLE 2 - CONT'D**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Gaucho Unit #017H  
 Devon Energy Production Company, LP  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>10,000</b>
<b>Excavation Floor Soil Samples</b>										
FS20	5/27/2025	4	<0.0250	<0.0500	<20.0	<25.0	108	<25.0	108	185
FS21	5/27/2025	4	<0.0250	<0.0500	<20.0	<25.0	101	<25.0	101	64.2
FS22	5/29/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	686
FS23	5/29/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	670
FS24	5/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	32.3
FS25	5/29/2025	0	<0.0250	<0.0500	<20.0	39.9	<50.0	39.9	39.9	29.6
FS26	5/29/2025	0	<0.0250	<0.0500	<20.0	98.8	76.7	98.8	175.5	65.6
FS26	6/12/2025	0.25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	124
FS27	5/29/2025	2	<0.0250	<0.0500	<20.0	57.4	<50.0	57.4	57.4	349
FS28	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	119
FS29	5/29/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	492
FS30	5/30/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	65.3
FS31	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS32	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS33	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	58.9
FS34	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	33.6
FS35	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS36	5/27/2025	4	<0.0250	<0.0500	<20.0	<25.0	83.2	<25.0	83.2	178
FS37	5/27/2025	4	<0.0250	<0.0500	<20.0	<25.0	76.0	<25.0	76.0	22.3
FS38	5/28/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	111

**Notes:**

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\* Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.

GRO: Gasoline Range Organics

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TPH: Total Petroleum Hydrocarbon

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**TABLE 2 - CONT'D**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Gaucho Unit #017H  
 Devon Energy Production Company, LP  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>10,000</b>
<b>Excavation Floor Soil Samples</b>										
FS39	5/29/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	278
FS40	5/29/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	120
FS41	5/29/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	79.8
FS42	5/28/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	32.4
FS43	5/28/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	41.0
FS44	5/28/2025	1	<0.0250	<0.0500	<20.0	26.2	<50.0	26.2	26.2	<20.0
FS45	5/28/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	228
FS46	5/28/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS47	5/28/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS48	5/29/2025	0	<0.0250	<0.0500	<20.0	29.7	<50.0	29.7	29.7	74.4
FS49	5/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	73.8

**Notes:**

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TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes





**TABLE 3**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Gaucho Unit #017H  
 Devon Energy Production Company, LP  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>10,000</b>
<b>Sidewall Soil Samples</b>										
SW01	5/30/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	57.5
SW02	5/30/2025	0-9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	47.3
SW03	5/30/2025	0-9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	372
SW04	5/30/2025	0-6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	99.1
SW05	5/30/2025	0-5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	67.9
SW06	5/30/2025	0-5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	52.8
SW07	5/30/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW08	5/30/2025	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW09	5/30/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	107

**Notes:**

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DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



**TABLE 4**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Gaucho Unit #017H  
 Devon Energy Production Company, LP  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Backfill Soil Sample										
BF01	5/30/2025	NA	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	482

**Notes:**

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GRO: Gasoline Range Organics

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ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



## APPENDIX A

### Well Log and Record

---



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) CP 01990		WELL TAG ID NO.		OSE FILE NO(S). CP-1990-POD1		
	WELL OWNER NAME(S) Devon Energy Resources				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS 205 E. Bender Road #150				CITY Hobbs	STATE NM	ZIP 88240
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 22	SECONDS 13.85	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
	LONGITUDE -103	30	10.63	W			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE							

2. DRILLING & CASING INFORMATION	LICENSE NO. 1833		NAME OF LICENSED DRILLER Jason Maley			NAME OF WELL DRILLING COMPANY Vision Resources		
	DRILLING STARTED 3-25-24		DRILLING ENDED 3-25-24		DEPTH OF COMPLETED WELL (FT) 60'	BORE HOLE DEPTH (FT) 60'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 0'	DATE STATIC MEASURED 3-28-24	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	50	6"	PVC 2" SCH40	Thread	2"	SCH40	N/A
50	60	6"	PVC 2" SCH40	Thread	2"	SCH40	.02	

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

FOR OSE INTERNAL USE

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

FILE NO. CP-01990	POD NO. 1	TRN NO. 756876
LOCATION 225.34E. 19.344	WELL TAG ID NO.	PAGE 1 OF 2



4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	10	10'	Brown sand with small rock	Y    ✓ N	
	10	60	50'	Tan fine sand with small amount of small rock	Y    ✓ N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY: Dry hole						

5. TEST; RIG SUPERVISION

**WELL TEST**

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

MISCELLANEOUS INFORMATION:

USE ON APR 17 2024 PM 1:26

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Jason Maley

6. SIGNATURE

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

SIGNATURE OF DRILLER / PRINT SIGNEE NAME

Jason Maley

4/11/24

DATE

FOR OSE INTERNAL USE

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

FILE NO. CP-01990	POD NO. 1	TRN NO. 756876
LOCATION 775.34E.19.344	WELL TAG ID NO.	PAGE 2 OF 2



Mike A. Hamman, P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

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

Trn Nbr: 756876  
File Nbr: CP 01990  
Well File Nbr: CP 01990 POD1

Apr. 24, 2024

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

Greetings:

The above numbered permit was issued in your name on 03/01/2024.

The Well Record was received in this office on 04/17/2024, stating that it had been completed on 03/25/2024, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 03/01/2025.

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

Sincerely,

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

Rodolfo Chavez  
(575) 622-6521

drywell



## APPENDIX B

### Photographic Log

---



# Photographic Log

Devon Energy Production Company, LP  
Gaucho Unit #017H  
nAPP2505549541



Photograph 1

Date: 2/24/2025

Description: Signage

View: West



Photograph 2

Date: 2/24/2025

Description: Spill Area

View: Southwest



Photograph 3

Date: 2/24/2025

Description: Spill Area

View: East



Photograph 4

Date: 2/24/2025

Description: Spill Area

View: Southwest



**Photographic Log**

Devon Energy Production Company, LP  
Gaucho Unit #017H  
nAPP2505549541



Photograph 5  
Description: Spill Area  
View: South

Date: 2/24/2025



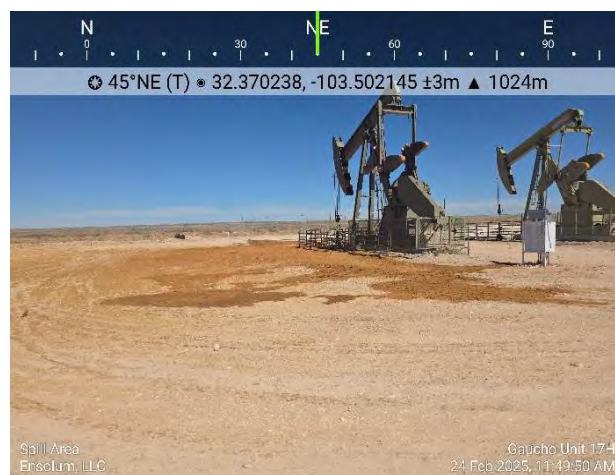
Photograph 6  
Description: Spill Area  
View: East

Date: 2/24/2025



Photograph 7  
Description: Spill Area  
View: Northwest

Date: 2/24/2025



Photograph 8  
Description: Spill Area  
View: Northeast

Date: 2/24/2025





# Photographic Log

Devon Energy Production Company, LP  
Gaucho Unit #017H  
nAPP2505549541



Photograph 9

Date: 2/28/2025

Description: SS01

View: South



Photograph 10

Date: 2/28/2025

Description: SS02

View: West



Photograph 11

Date: 2/28/2025

Description: SS03

View: West



Photograph 12

Date: 2/28/2025

Description: SS04

View: Northwest





# Photographic Log

Devon Energy Production Company, LP  
Gaucho Unit #017H  
nAPP2505549541



Photograph 13  
Description: SS05  
View: Northwest

Date: 2/28/2025



Photograph 14  
Description: SS06  
View: North

Date: 2/28/2025



Photograph 15  
Description: SS07  
View: Northeast

Date: 2/28/2025



Photograph 16  
Description: SS08  
View: East

Date: 2/28/2025





# Photographic Log

Devon Energy Production Company, LP  
Gaucho Unit #017H  
nAPP2505549541



Photograph 17  
Description: SS09  
View: East

Date: 2/28/2025



Photograph 18  
Description: SS10  
View: East

Date: 2/28/2025



Photograph 19  
Description: SS11  
View: Southeast

Date: 2/28/2025



Photograph 20  
Description: SS12  
View: Southeast

Date: 2/28/2025





# Photographic Log

Devon Energy Production Company, LP  
Gaucho Unit #017H  
nAPP2505549541



Photograph 21  
Description: SS13  
View: South

Date: 2/28/2025



Photograph 22  
Description: BH01  
View: Southwest

Date: 3/3/2025



Photograph 23  
Description: BH02  
View: Southeast

Date: 3/3/2025



Photograph 24  
Description: BH03  
View: East

Date: 3/3/2025





# Photographic Log

Devon Energy Production Company, LP  
Gaucho Unit #017H  
nAPP2505549541



Photograph 25

Date: 3/5/2025

Description: BH05

View: Northeast



Photograph 26

Date: 3/5/2025

Description: BH06

View: East



Photograph 27

Date: 3/5/2025

Description: BH07

View: East



Photograph 28

Date: 3/5/2025

Description: BH08

View: Southeast



**Photographic Log**

Devon Energy Production Company, LP  
Gaucho Unit #017H  
nAPP2505549541



Photograph 29  
Description: BH09  
View: Southeast

Date: 3/5/2025



Photograph 30  
Description: BH10  
View: East

Date: 3/5/2025



Photograph 31  
Description: BH11  
View: East

Date: 3/5/2025



Photograph 32  
Description: BH12  
View: East

Date: 3/5/2025





# Photographic Log

Devon Energy Production Company, LP  
Gaucho Unit #017H  
nAPP2505549541



Photograph 33  
Description: BH13  
View: East

Date: 3/5/2025



Photograph 34  
Description: BH14  
View: Northeast

Date: 3/5/2025



Photograph 35  
Description: Hydro-vac  
View: Northeast

Date: 5/23/2025



Photograph 36  
Description: Excavation  
View: Northwest

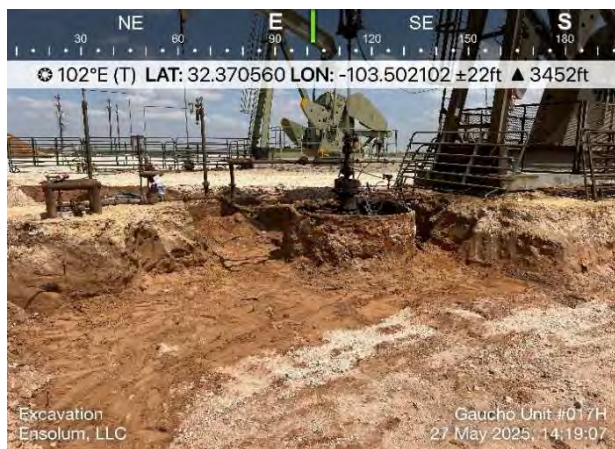
Date: 5/23/2025





# Photographic Log

Devon Energy Production Company, LP  
Gaucho Unit #017H  
nAPP2505549541



Photograph 37  
Description: Excavation  
View: East

Date: 5/24/2025



Photograph 38  
Description: Excavation  
View: North

Date: 5/24/2025



Photograph 39  
Description: Excavation  
View: West

Date: 5/24/2025



Photograph 40  
Description: Excavation  
View: Northwest

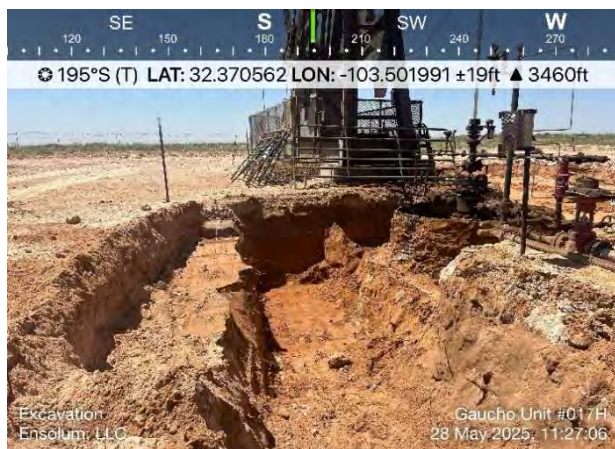
Date: 5/28/2025





# Photographic Log

Devon Energy Production Company, LP  
Gaucho Unit #017H  
nAPP2505549541



Photograph 41  
Description: Excavation  
View: South

Date: 5/28/2025



Photograph 42  
Description: Excavation  
View: Southwest

Date: 5/29/2025



Photograph 43  
Description: Excavation  
View: Southwest

Date: 5/29/2025



Photograph 44  
Description: Excavation  
View: South

Date: 5/29/2025



## Photographic Log

Devon Energy Production Company, LP  
Gaucho Unit #017H  
nAPP2505549541



Photograph 45  
Description: Excavation  
View: North

Date: 5/29/2025



Photograph 46  
Description: Excavation  
View: Northeast

Date: 5/29/2025



Photograph 47  
Description: Excavation  
View: West

Date: 5/30/2025



Photograph 48  
Description: Excavation  
View: Southwest

Date: 5/30/2025





# Photographic Log

Devon Energy Production Company, LP  
Gaucho Unit #017H  
nAPP2505549541



Photograph 49  
Description: Excavation  
View: Southeast

Date: 6/12/2025



Photograph 50  
Description: Excavation  
View: Northwest

Date: 6/12/2025



Photograph 51  
Description: Excavation  
View: South

Date: 6/12/2025



Photograph 52  
Description: Excavation  
View: West

Date: 6/12/2025





## APPENDIX C


### Lithologic Soil Sampling Logs


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 <b>ENSOLUM</b>		Sample Name: BH01		Date: 3/3/25				
		Site Name: Gaucho Unit #017H						
		Incident Number: nAPP2505549541						
		Job Number: 03A1987162						
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								
Coordinates: 32.370790, -103.501928			Logged By: Israel Estrella		Method: Hand Auger			
			Hole Diameter: 3"		Total Depth: 1'			
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag® for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH01	0	0	CCHE	moist, pad caliche, staining
M	ND	97	N		1	1	SP-SM	moist, sand, no stain
						Total Depth 1ft.		

								Sample Name: BH02		Date: 3/3/25	
								Site Name: Gaucho Unit #017H			
								Incident Number: nAPP2505549541			
								Job Number: 03A1987162			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.370558, -103.502137								Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag® for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M			Y	BH02	0	0	CCHE	moist, pad caliche, staining			
M	ND	19	N		1	1	SP-SM	moist, sand, no stain			
Total Depth 1ft.											

					Sample Name: BH03		Date: 3/3/25	
					Site Name: Gaucho Unit #017H			
					Incident Number: nAPP2505549541			
					Job Number: 03A1987162			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>					Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.370539, -103.502067					Hole Diameter: 3"		Total Depth: 7'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag® for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	>3,455		Y	BH03	0	0	CCHE	moist, staining, pad caliche
					1	1	SP-SM	moist, no stain, sand
			2		2			
			3		3			
			4		4			
			5		5			
	1,108				6	6		
420	16		7	7				
Total Depth 7 ft.								

								Sample Name: BH04		Date: 3/3/25	
								Site Name: Gaucho Unit #017H			
								Incident Number: nAPP2505549541			
								Job Number: 03A1987162			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Israel Estrella		Method: Hand Auger	
Coordinates: 32.370364, -103.502072								Hole Diameter: 3"		Total Depth: 7'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag® for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M	>3,455		Y	BH04	0	0	CCHE	moist, staining, pad caliche			
	3,455				1	1	SP-SM	moist, no stain, sand			
	3,455				2	2					
	1,971				3	3					
	3,455	N	4		4						
	3,455		5		5						
	>3,455		6		6						
ND	39			7	7						
Total Depth 7 ft.											





## APPENDIX D

### Laboratory Analytical Reports & Chain-of-Custody Documentation

---

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: Gaucho Unit 17H

Work Order: E503012

Job Number: 01058-0007

Received: 3/4/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/10/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 3/10/25

Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: Gaucho Unit 17H  
Workorder: E503012  
Date Received: 3/4/2025 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/4/2025 6:00:00AM, under the Project Name: Gaucho Unit 17H.

The analytical test results summarized in this report with the Project Name: Gaucho Unit 17H 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  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Gaucho Unit 17H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 03/10/25 08:57
---	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E503012-01A	Soil	02/28/25	03/04/25	Glass Jar, 2 oz.
SS01-1'	E503012-02A	Soil	02/28/25	03/04/25	Glass Jar, 2 oz.
SS03-0'	E503012-03A	Soil	02/28/25	03/04/25	Glass Jar, 2 oz.
SS03-1'	E503012-04A	Soil	02/28/25	03/04/25	Glass Jar, 2 oz.
SS04-0'	E503012-05A	Soil	02/28/25	03/04/25	Glass Jar, 2 oz.
SS05-0'	E503012-06A	Soil	02/28/25	03/04/25	Glass Jar, 2 oz.
SS06-0'	E503012-07A	Soil	02/28/25	03/04/25	Glass Jar, 2 oz.
SS07-0'	E503012-08A	Soil	02/28/25	03/04/25	Glass Jar, 2 oz.
SS08-0'	E503012-09A	Soil	02/28/25	03/04/25	Glass Jar, 2 oz.
SS09-0'	E503012-10A	Soil	02/28/25	03/04/25	Glass Jar, 2 oz.
SS10-0'	E503012-11A	Soil	02/28/25	03/04/25	Glass Jar, 2 oz.
SS11-0'	E503012-12A	Soil	02/28/25	03/04/25	Glass Jar, 2 oz.
SS12-0'	E503012-13A	Soil	02/28/25	03/04/25	Glass Jar, 2 oz.
SS13-0'	E503012-14A	Soil	02/28/25	03/04/25	Glass Jar, 2 oz.
SS02-0'	E503012-15A	Soil	02/28/25	03/04/25	Glass Jar, 2 oz.
SS02-1'	E503012-16A	Soil	02/28/25	03/04/25	Glass Jar, 2 oz.



## Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Gaucho Unit 17H Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 3/10/2025 8:57:52AM
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**SS01-0'**

**E503012-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2510049	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>		118 %	61-141	03/04/25	03/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2510048	
Chloride	ND	20.0	1	03/04/25	03/04/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/10/2025 8:57:52AM

SS01-1'

E503012-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>99.7 %</i>	<i>70-130</i>		<i>03/04/25</i>	<i>03/05/25</i>	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>94.2 %</i>	<i>70-130</i>		<i>03/04/25</i>	<i>03/05/25</i>	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2510049	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/05/25	
<i>Surrogate: n-Nonane</i>	<i>116 %</i>	<i>61-141</i>		<i>03/04/25</i>	<i>03/05/25</i>	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2510048	
Chloride	ND	20.0	1	03/04/25	03/04/25	





## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/10/2025 8:57:52AM

SS03-0'

E503012-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.5 %	70-130		03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.0 %	70-130		03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2510049	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/06/25	
<i>Surrogate: n-Nonane</i>	105 %	61-141		03/04/25	03/06/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2510048	
Chloride	30.5	20.0	1	03/04/25	03/04/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/10/2025 8:57:52AM

SS03-1'

E503012-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510041
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.2 %	70-130		03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.5 %	70-130		03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2510049
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/06/25	
<i>Surrogate: n-Nonane</i>						
	110 %	61-141		03/04/25	03/06/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510048
Chloride	ND	20.0	1	03/04/25	03/04/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/10/2025 8:57:52AM

SS04-0'

E503012-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.1 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.4 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2510049	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/06/25	
<i>Surrogate: n-Nonane</i>		109 %	61-141	03/04/25	03/06/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2510048	
Chloride	ND	20.0	1	03/04/25	03/04/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/10/2025 8:57:52AM

SS05-0'

E503012-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.2 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2510049	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/06/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	03/04/25	03/06/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2510048	
Chloride	ND	20.0	1	03/04/25	03/04/25	





## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/10/2025 8:57:52AM

SS06-0'

E503012-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	92.8 %	70-130		03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.4 %	70-130		03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2510049	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/06/25	
<i>Surrogate: n-Nonane</i>	103 %	61-141		03/04/25	03/06/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2510048	
Chloride	ND	20.0	1	03/04/25	03/04/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/10/2025 8:57:52AM

SS07-0'

E503012-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510041
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.1 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2510049
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/06/25	
<i>Surrogate: n-Nonane</i>						
		105 %	61-141	03/04/25	03/06/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510048
Chloride	ND	20.0	1	03/04/25	03/04/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/10/2025 8:57:52AM

SS08-0'

E503012-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.2 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2510049	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/06/25	
<i>Surrogate: n-Nonane</i>		109 %	61-141	03/04/25	03/06/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2510048	
Chloride	ND	20.0	1	03/04/25	03/04/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/10/2025 8:57:52AM

SS09-0'

E503012-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.6 %	70-130		03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.4 %	70-130		03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2510049	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/06/25	
<i>Surrogate: n-Nonane</i>	106 %	61-141		03/04/25	03/06/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2510048	
Chloride	ND	20.0	1	03/04/25	03/04/25	





## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/10/2025 8:57:52AM

SS10-0'

E503012-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510041
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2510049
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/06/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		03/04/25	03/06/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510048
Chloride	ND	20.0	1	03/04/25	03/04/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/10/2025 8:57:52AM

SS11-0'

E503012-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510041
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2510041
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2510049
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/06/25	
Surrogate: n-Nonane		106 %	61-141	03/04/25	03/06/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510048
Chloride	ND	20.0	1	03/04/25	03/04/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/10/2025 8:57:52AM

SS12-0'

E503012-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.9 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2510049	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/06/25	
<i>Surrogate: n-Nonane</i>		116 %	61-141	03/04/25	03/06/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2510048	
Chloride	ND	20.0	1	03/04/25	03/04/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/10/2025 8:57:52AM

SS13-0'

E503012-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2510049	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/06/25	
<i>Surrogate: n-Nonane</i>		110 %	61-141	03/04/25	03/06/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2510048	
Chloride	ND	20.0	1	03/04/25	03/04/25	





## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/10/2025 8:57:52AM

SS02-0'

E503012-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2510049	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/06/25	
<i>Surrogate: n-Nonane</i>		115 %	61-141	03/04/25	03/06/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2510048	
Chloride	92.5	20.0	1	03/04/25	03/04/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/10/2025 8:57:52AM

SS02-1'

E503012-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Benzene	ND	0.0250	1	03/04/25	03/05/25	
Ethylbenzene	ND	0.0250	1	03/04/25	03/05/25	
Toluene	ND	0.0250	1	03/04/25	03/05/25	
o-Xylene	ND	0.0250	1	03/04/25	03/05/25	
p,m-Xylene	ND	0.0500	1	03/04/25	03/05/25	
Total Xylenes	ND	0.0250	1	03/04/25	03/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2510041	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/04/25	03/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	70-130	03/04/25	03/05/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2510049	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/04/25	03/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/04/25	03/06/25	
<i>Surrogate: n-Nonane</i>		119 %	61-141	03/04/25	03/06/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2510048	
Chloride	188	20.0	1	03/04/25	03/04/25	



## QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucha Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/10/2025 8:57:52AM

## Volatile Organics by EPA 8021B

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2510041-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.55		8.00		81.9	70-130			

## LCS (2510041-BS1)

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

Benzene	4.49	0.0250	5.00		89.7	70-130			
Ethylbenzene	4.58	0.0250	5.00		91.7	70-130			
Toluene	4.60	0.0250	5.00		92.0	70-130			
o-Xylene	4.55	0.0250	5.00		90.9	70-130			
p,m-Xylene	9.33	0.0500	10.0		93.3	70-130			
Total Xylenes	13.9	0.0250	15.0		92.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.09		8.00		88.6	70-130			

## Matrix Spike (2510041-MS1)

Source: E503012-07

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

Benzene	4.87	0.0250	5.00	ND	97.4	54-133			
Ethylbenzene	4.99	0.0250	5.00	ND	99.7	61-133			
Toluene	5.00	0.0250	5.00	ND	99.9	61-130			
o-Xylene	4.98	0.0250	5.00	ND	99.5	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.7	70-130			

## Matrix Spike Dup (2510041-MSD1)

Source: E503012-07

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

Benzene	5.25	0.0250	5.00	ND	105	54-133	7.45	20	
Ethylbenzene	5.39	0.0250	5.00	ND	108	61-133	7.70	20	
Toluene	5.38	0.0250	5.00	ND	108	61-130	7.43	20	
o-Xylene	5.38	0.0250	5.00	ND	108	63-131	7.73	20	
p,m-Xylene	11.0	0.0500	10.0	ND	110	63-131	7.62	20	
Total Xylenes	16.3	0.0250	15.0	ND	109	63-131	7.66	20	
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.1	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/10/2025 8:57:52AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2510041-BLK1) Prepared: 03/04/25 Analyzed: 03/05/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			

LCS (2510041-BS2) Prepared: 03/04/25 Analyzed: 03/05/25

Gasoline Range Organics (C6-C10)	39.6	20.0	50.0		79.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.2	70-130			

Matrix Spike (2510041-MS2) Source: E503012-07 Prepared: 03/04/25 Analyzed: 03/05/25

Gasoline Range Organics (C6-C10)	39.7	20.0	50.0	ND	79.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.4	70-130			

Matrix Spike Dup (2510041-MSD2) Source: E503012-07 Prepared: 03/04/25 Analyzed: 03/05/25

Gasoline Range Organics (C6-C10)	45.9	20.0	50.0	ND	91.8	70-130	14.5	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.2	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucha Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/10/2025 8:57:52AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2510049-BLK1)					Prepared: 03/04/25 Analyzed: 03/05/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.6		50.0		105	61-141			

LCS (2510049-BS1)					Prepared: 03/04/25 Analyzed: 03/05/25				
Diesel Range Organics (C10-C28)	261	25.0	250		104	66-144			
Surrogate: n-Nonane	53.8		50.0		108	61-141			

Matrix Spike (2510049-MS1)				Source: E503012-05		Prepared: 03/04/25 Analyzed: 03/05/25			
Diesel Range Organics (C10-C28)	261	25.0	250	ND	105	56-156			
Surrogate: n-Nonane	53.4		50.0		107	61-141			

Matrix Spike Dup (2510049-MSD1)				Source: E503012-05		Prepared: 03/04/25 Analyzed: 03/05/25			
Diesel Range Organics (C10-C28)	261	25.0	250	ND	104	56-156	0.286	20	
Surrogate: n-Nonane	53.4		50.0		107	61-141			





QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/10/2025 8:57:52AM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2510048-BLK1)					Prepared: 03/04/25 Analyzed: 03/04/25				
Chloride	ND	20.0							
LCS (2510048-BS1)					Prepared: 03/04/25 Analyzed: 03/04/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2510048-MS1)					Source: E503012-07		Prepared: 03/04/25 Analyzed: 03/04/25		
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2510048-MSD1)					Source: E503012-07		Prepared: 03/04/25 Analyzed: 03/04/25		
Chloride	255	20.0	250	ND	102	80-120	0.0118	20	

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



Definitions and Notes

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	03/10/25 08:57

- 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

Page 1 of 2

WO # 2156814

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Devon				Company: Devon Energy		Lab WO#		1D 2D 3D Std				NM CO UT TX					
Project: <u>Gaucho Unit 17H</u>				Address: 5315 Buena Vista Dr		E503012		Job Number				010580001					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220													
Address: 3122 National Parks Hwy				Phone: (575)689-7597													
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dnv.com													
Phone: 575-988-0055				Miscellaneous: Jim Raley													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
1002	2/28/25	Soil	1	SS01-0'		1						X					
1005				01-1'		2						X					
1033				03-0'		3						X					
1037				03-1'		4						X					
1100				04-0'		5						X					
1058				05		6						X					
1102				06		7						X					
1103				07		8						X					
1105				08		9						X					
1106				09		10						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dnv.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: <u>Cole Burton</u> <u>Israel E. Jenua H</u>																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>									
<u>Michelle Gonzales</u>		3.3.25	7:19	<u>Michelle Gonzales</u>		3.3.25	6719										
<u>J.H.</u>		3.3.25	1610	<u>J.H.</u>		3.3.23	1700										
<u>J.H.</u>		3.3.25	2400	<u>Caitlin Mann</u>		3.4.25	6000										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																	
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



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## Chain of Custody

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WO # 2156814

Client Information				Invoice Information				Lab Use Only				TAT				State							
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D		2D		3D		Std					
Project: <u>Gaucho Unit 17H</u>				Address: 5315 Buena Vista Dr				E503012		01058-0007								X					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																			
Address: 3122 National Parks Hwy				Phone: (575)689-7597																			
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com																			
Phone: 575-988-0055				Miscellaneous: Jim Raley																			
Email: agiovengo@ensolum.com																							
Sample Information												Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA						
1108	2/28/25	soil	1	SS10-0'		11						X											
1110				11		12						X											
1112				12		13						X											
1117				13		14						X											
1311				02-0'		15						X											
1313				02-1'		16						X											
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																							
Sampled by: <u>Cole Burton</u> <u>Israel E. / Jenna H</u>																							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>											
<u>Cole Burton</u>		3/3/25		7:19		<u>Michelle Gonzales</u>		3.3.25		0719													
<u>Michelle Gonzales</u>		3.3.25		1610		<u>L.M.</u>		3.3.25		1700													
<u>L.M.</u>		3.3.25		2400		<u>Caitlin Mann</u>		3.4.25		600													
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																							
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							



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## Envirotech Analytical Laboratory

Printed: 3/4/2025 9:19:40AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	03/04/25 06:00	Work Order ID:	E503012
Phone:	(505) 382-1211	Date Logged In:	03/03/25 15:29	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	03/10/25 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/ResolutionSample 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.

Report to:  
Ashley Giovengo



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*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: Gaucho Unit 17H

Work Order: E503045

Job Number: 01058-0007

Received: 3/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/12/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 3/12/25



Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: Gaucho Unit 17H  
Workorder: E503045  
Date Received: 3/7/2025 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/7/2025 7:45:00AM, under the Project Name: Gaucho Unit 17H.

The analytical test results summarized in this report with the Project Name: Gaucho Unit 17H 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**  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Gaucho Unit 17H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 03/12/25 11:26
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH05-0'	E503045-01A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
BH06-0'	E503045-02A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
BH07-0'	E503045-03A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
BH08-0'	E503045-04A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
BH09-0'	E503045-05A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
BH10-0'	E503045-06A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
BH11-0'	E503045-07A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
BH12-0'	E503045-08A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
BH13-0'	E503045-09A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
BH14-0'	E503045-10A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
BH05-0.5'	E503045-11A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
BH06-0.5'	E503045-12A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
BH07-0.5'	E503045-13A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
BH08-0.5'	E503045-14A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
BH09-0.5'	E503045-15A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
BH10-0.5'	E503045-16A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
BH11-0.5'	E503045-17A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
BH12-0.5'	E503045-18A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
BH13-0.5'	E503045-19A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.
BH14-0.5'	E503045-20A	Soil	03/05/25	03/07/25	Glass Jar, 2 oz.



## Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Gaucho Unit 17H Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 3/12/2025 11:26:36AM
---	---	--

**BH05-0'**

**E503045-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2510109	
Benzene	ND	0.0250	1	03/07/25	03/07/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/07/25	
Toluene	ND	0.0250	1	03/07/25	03/07/25	
o-Xylene	ND	0.0250	1	03/07/25	03/07/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/07/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2510109	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.9 %	70-130	03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2510104	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/25	03/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/25	03/08/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	03/07/25	03/08/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2510110	
Chloride	ND	20.0	1	03/07/25	03/07/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/12/2025 11:26:36AM

BH06-0'

E503045-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Benzene	ND	0.0250	1	03/07/25	03/07/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/07/25	
Toluene	ND	0.0250	1	03/07/25	03/07/25	
o-Xylene	ND	0.0250	1	03/07/25	03/07/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/07/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.4 %	70-130	03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2510104
Diesel Range Organics (C10-C28)	121	25.0	1	03/07/25	03/08/25	
Oil Range Organics (C28-C36)	86.3	50.0	1	03/07/25	03/08/25	
<i>Surrogate: n-Nonane</i>						
		105 %	61-141	03/07/25	03/08/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510110
Chloride	71.4	20.0	1	03/07/25	03/07/25	





## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/12/2025 11:26:36AM

BH07-0'

E503045-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Benzene	ND	0.0250	1	03/07/25	03/07/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/07/25	
Toluene	ND	0.0250	1	03/07/25	03/07/25	
o-Xylene	ND	0.0250	1	03/07/25	03/07/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/07/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.1 %	70-130	03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2511008
Diesel Range Organics (C10-C28)	61.6	25.0	1	03/10/25	03/10/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/10/25	03/10/25	
<i>Surrogate: n-Nonane</i>						
		111 %	61-141	03/10/25	03/10/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510110
Chloride	30.4	20.0	1	03/07/25	03/07/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/12/2025 11:26:36AM

BH08-0'

E503045-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Benzene	ND	0.0250	1	03/07/25	03/07/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/07/25	
Toluene	ND	0.0250	1	03/07/25	03/07/25	
o-Xylene	ND	0.0250	1	03/07/25	03/07/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/07/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.5 %	70-130	03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2511008
Diesel Range Organics (C10-C28)	127	25.0	1	03/10/25	03/11/25	
Oil Range Organics (C28-C36)	96.4	50.0	1	03/10/25	03/11/25	
<i>Surrogate: n-Nonane</i>						
		105 %	61-141	03/10/25	03/11/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510110
Chloride	82.8	20.0	1	03/07/25	03/07/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/12/2025 11:26:36AM

BH09-0'

E503045-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Benzene	ND	0.0250	1	03/07/25	03/07/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/07/25	
Toluene	ND	0.0250	1	03/07/25	03/07/25	
o-Xylene	ND	0.0250	1	03/07/25	03/07/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/07/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.0 %	70-130	03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2510104
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/25	03/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/25	03/08/25	
<i>Surrogate: n-Nonane</i>						
		109 %	61-141	03/07/25	03/08/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510110
Chloride	ND	20.0	1	03/07/25	03/07/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/12/2025 11:26:36AM

BH10-0'

E503045-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Benzene	ND	0.0250	1	03/07/25	03/07/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/07/25	
Toluene	ND	0.0250	1	03/07/25	03/07/25	
o-Xylene	ND	0.0250	1	03/07/25	03/07/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/07/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.2 %	70-130		03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2510104
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/25	03/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/25	03/08/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		03/07/25	03/08/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510110
Chloride	ND	20.0	1	03/07/25	03/07/25	





## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/12/2025 11:26:36AM

BH11-0'

E503045-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Benzene	ND	0.0250	1	03/07/25	03/07/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/07/25	
Toluene	ND	0.0250	1	03/07/25	03/07/25	
o-Xylene	ND	0.0250	1	03/07/25	03/07/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/07/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/07/25	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.0 %	70-130	03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2510104
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/25	03/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/25	03/08/25	
Surrogate: n-Nonane		122 %	61-141	03/07/25	03/08/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510110
Chloride	ND	20.0	1	03/07/25	03/07/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/12/2025 11:26:36AM

BH12-0'

E503045-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Benzene	ND	0.0250	1	03/07/25	03/07/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/07/25	
Toluene	ND	0.0250	1	03/07/25	03/07/25	
o-Xylene	ND	0.0250	1	03/07/25	03/07/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/07/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.5 %	70-130	03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2510104
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/25	03/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/25	03/08/25	
<i>Surrogate: n-Nonane</i>						
		123 %	61-141	03/07/25	03/08/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510110
Chloride	ND	20.0	1	03/07/25	03/07/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/12/2025 11:26:36AM

BH13-0'

E503045-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2510109	
Benzene	ND	0.0250	1	03/07/25	03/07/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/07/25	
Toluene	ND	0.0250	1	03/07/25	03/07/25	
o-Xylene	ND	0.0250	1	03/07/25	03/07/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/07/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2510109	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.0 %	70-130	03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2510104	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/25	03/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/25	03/08/25	
<i>Surrogate: n-Nonane</i>						
		124 %	61-141	03/07/25	03/08/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2510110	
Chloride	ND	20.0	1	03/07/25	03/07/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/12/2025 11:26:36AM

BH14-0'

E503045-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Benzene	ND	0.0250	1	03/07/25	03/07/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/07/25	
Toluene	ND	0.0250	1	03/07/25	03/07/25	
o-Xylene	ND	0.0250	1	03/07/25	03/07/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/07/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.7 %	70-130	03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2510104
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/25	03/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/25	03/08/25	
<i>Surrogate: n-Nonane</i>						
		137 %	61-141	03/07/25	03/08/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510110
Chloride	ND	20.0	1	03/07/25	03/07/25	





## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/12/2025 11:26:36AM

BH05-0.5'

E503045-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Benzene	ND	0.0250	1	03/07/25	03/07/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/07/25	
Toluene	ND	0.0250	1	03/07/25	03/07/25	
o-Xylene	ND	0.0250	1	03/07/25	03/07/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/07/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/07/25	
Surrogate: 4-Bromochlorobenzene-PID	96.8 %	70-130		03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.3 %	70-130		03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2511008
Diesel Range Organics (C10-C28)	ND	25.0	1	03/10/25	03/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/10/25	03/11/25	
Surrogate: n-Nonane	108 %	61-141		03/10/25	03/11/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510110
Chloride	ND	20.0	1	03/07/25	03/07/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/12/2025 11:26:36AM

BH06-0.5'

E503045-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Benzene	ND	0.0250	1	03/07/25	03/07/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/07/25	
Toluene	ND	0.0250	1	03/07/25	03/07/25	
o-Xylene	ND	0.0250	1	03/07/25	03/07/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/07/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/07/25	
Surrogate: 4-Bromochlorobenzene-PID	96.7 %	70-130		03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.8 %	70-130		03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2511008
Diesel Range Organics (C10-C28)	ND	25.0	1	03/10/25	03/11/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/10/25	03/11/25	
Surrogate: n-Nonane	107 %	61-141		03/10/25	03/11/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510110
Chloride	36.1	20.0	1	03/07/25	03/07/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/12/2025 11:26:36AM

BH07-0.5'

E503045-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Benzene	ND	0.0250	1	03/07/25	03/07/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/07/25	
Toluene	ND	0.0250	1	03/07/25	03/07/25	
o-Xylene	ND	0.0250	1	03/07/25	03/07/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/07/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/07/25	
Surrogate: 4-Bromochlorobenzene-PID	96.7 %	70-130		03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.2 %	70-130		03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2510104
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/25	03/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/25	03/08/25	
Surrogate: n-Nonane	109 %	61-141		03/07/25	03/08/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510110
Chloride	ND	20.0	1	03/07/25	03/07/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/12/2025 11:26:36AM

BH08-0.5'

E503045-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Benzene	ND	0.0250	1	03/07/25	03/07/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/07/25	
Toluene	ND	0.0250	1	03/07/25	03/07/25	
o-Xylene	ND	0.0250	1	03/07/25	03/07/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/07/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/07/25	
Surrogate: 4-Bromochlorobenzene-PID	96.5 %	70-130		03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.6 %	70-130		03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2510104
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/25	03/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/25	03/08/25	
Surrogate: n-Nonane	104 %	61-141		03/07/25	03/08/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510110
Chloride	ND	20.0	1	03/07/25	03/07/25	





## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/12/2025 11:26:36AM

BH09-0.5'

E503045-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Benzene	ND	0.0250	1	03/07/25	03/07/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/07/25	
Toluene	ND	0.0250	1	03/07/25	03/07/25	
o-Xylene	ND	0.0250	1	03/07/25	03/07/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/07/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.1 %	70-130		03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.6 %	70-130		03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2510104
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/25	03/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/25	03/08/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		03/07/25	03/08/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510110
Chloride	ND	20.0	1	03/07/25	03/07/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/12/2025 11:26:36AM

BH10-0.5'

E503045-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Benzene	ND	0.0250	1	03/07/25	03/07/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/07/25	
Toluene	ND	0.0250	1	03/07/25	03/07/25	
o-Xylene	ND	0.0250	1	03/07/25	03/07/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/07/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.5 %	70-130		03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2510104
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/25	03/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/25	03/08/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		03/07/25	03/08/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510110
Chloride	ND	20.0	1	03/07/25	03/07/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/12/2025 11:26:36AM

BH11-0.5'

E503045-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Benzene	ND	0.0250	1	03/07/25	03/07/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/07/25	
Toluene	ND	0.0250	1	03/07/25	03/07/25	
o-Xylene	ND	0.0250	1	03/07/25	03/07/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/07/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.7 %	70-130		03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2510104
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/25	03/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/25	03/08/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		03/07/25	03/08/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510110
Chloride	ND	20.0	1	03/07/25	03/07/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/12/2025 11:26:36AM

BH12-0.5'

E503045-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Benzene	ND	0.0250	1	03/07/25	03/07/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/07/25	
Toluene	ND	0.0250	1	03/07/25	03/07/25	
o-Xylene	ND	0.0250	1	03/07/25	03/07/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/07/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/07/25	
Surrogate: 4-Bromochlorobenzene-PID	95.6 %	70-130		03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.4 %	70-130		03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2510104
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/25	03/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/25	03/08/25	
Surrogate: n-Nonane	104 %	61-141		03/07/25	03/08/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510110
Chloride	ND	20.0	1	03/07/25	03/07/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
3/12/2025 11:26:36AM

BH13-0.5'

E503045-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Benzene	ND	0.0250	1	03/07/25	03/07/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/07/25	
Toluene	ND	0.0250	1	03/07/25	03/07/25	
o-Xylene	ND	0.0250	1	03/07/25	03/07/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/07/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2510109
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.0 %	70-130		03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2510104
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/25	03/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/25	03/08/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		03/07/25	03/08/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2510110
Chloride	ND	20.0	1	03/07/25	03/07/25	





Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Gaucho Unit 17H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/12/2025 11:26:36AM
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BH14-0.5'  
E503045-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2510109	
Benzene	ND	0.0250	1	03/07/25	03/07/25	
Ethylbenzene	ND	0.0250	1	03/07/25	03/07/25	
Toluene	ND	0.0250	1	03/07/25	03/07/25	
o-Xylene	ND	0.0250	1	03/07/25	03/07/25	
p,m-Xylene	ND	0.0500	1	03/07/25	03/07/25	
Total Xylenes	ND	0.0250	1	03/07/25	03/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.5 %	70-130		03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2510109	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/07/25	03/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.6 %	70-130		03/07/25	03/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2510104	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/07/25	03/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/07/25	03/08/25	
<i>Surrogate: n-Nonane</i>						
	118 %	61-141		03/07/25	03/08/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2510110	
Chloride	ND	20.0	1	03/07/25	03/07/25	



## QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucha Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/12/2025 11:26:36AM

## Volatile Organics by EPA 8021B

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 (2510109-BLK1)

Prepared: 03/07/25 Analyzed: 03/07/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.2	70-130			

## LCS (2510109-BS1)

Prepared: 03/07/25 Analyzed: 03/07/25

Benzene	5.31	0.0250	5.00		106	70-130			
Ethylbenzene	5.15	0.0250	5.00		103	70-130			
Toluene	5.26	0.0250	5.00		105	70-130			
o-Xylene	5.16	0.0250	5.00		103	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.7	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			

## Matrix Spike (2510109-MS1)

Source: E503045-06

Prepared: 03/07/25 Analyzed: 03/07/25

Benzene	5.32	0.0250	5.00	ND	106	54-133			
Ethylbenzene	5.14	0.0250	5.00	ND	103	61-133			
Toluene	5.25	0.0250	5.00	ND	105	61-130			
o-Xylene	5.14	0.0250	5.00	ND	103	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.64		8.00		95.5	70-130			

## Matrix Spike Dup (2510109-MSD1)

Source: E503045-06

Prepared: 03/07/25 Analyzed: 03/07/25

Benzene	5.06	0.0250	5.00	ND	101	54-133	4.97	20	
Ethylbenzene	4.90	0.0250	5.00	ND	98.0	61-133	4.84	20	
Toluene	4.99	0.0250	5.00	ND	99.9	61-130	5.00	20	
o-Xylene	4.91	0.0250	5.00	ND	98.1	63-131	4.57	20	
p,m-Xylene	9.97	0.0500	10.0	ND	99.7	63-131	4.81	20	
Total Xylenes	14.9	0.0250	15.0	ND	99.2	63-131	4.73	20	
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.8	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/12/2025 11:26:36AM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2510109-BLK1) Prepared: 03/07/25 Analyzed: 03/07/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.07		8.00		88.4	70-130			

LCS (2510109-BS2) Prepared: 03/07/25 Analyzed: 03/07/25

Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.3	70-130			

Matrix Spike (2510109-MS2) Source: E503045-06 Prepared: 03/07/25 Analyzed: 03/07/25

Gasoline Range Organics (C6-C10)	43.0	20.0	50.0	ND	85.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.3	70-130			

Matrix Spike Dup (2510109-MSD2) Source: E503045-06 Prepared: 03/07/25 Analyzed: 03/07/25

Gasoline Range Organics (C6-C10)	44.2	20.0	50.0	ND	88.4	70-130	2.83	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.7	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucha Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/12/2025 11:26:36AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2510104-BLK1)					Prepared: 03/07/25 Analyzed: 03/07/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.6		50.0		105	61-141			

LCS (2510104-BS1)					Prepared: 03/07/25 Analyzed: 03/08/25				
Diesel Range Organics (C10-C28)	227	25.0	250		90.7	66-144			
Surrogate: n-Nonane	52.7		50.0		105	61-141			

Matrix Spike (2510104-MS1)					Source: E503045-05		Prepared: 03/07/25 Analyzed: 03/08/25		
Diesel Range Organics (C10-C28)	230	25.0	250	ND	92.1	56-156			
Surrogate: n-Nonane	52.1		50.0		104	61-141			

Matrix Spike Dup (2510104-MSD1)					Source: E503045-05		Prepared: 03/07/25 Analyzed: 03/08/25		
Diesel Range Organics (C10-C28)	232	25.0	250	ND	92.7	56-156	0.607	20	
Surrogate: n-Nonane	53.1		50.0		106	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucha Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/12/2025 11:26:36AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2511008-BLK1)					Prepared: 03/10/25 Analyzed: 03/10/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.1		50.0		102	61-141			

LCS (2511008-BS1)					Prepared: 03/10/25 Analyzed: 03/10/25				
Diesel Range Organics (C10-C28)	230	25.0	250		92.1	66-144			
Surrogate: n-Nonane	50.4		50.0		101	61-141			

Matrix Spike (2511008-MS1)					Source: E503041-03		Prepared: 03/10/25 Analyzed: 03/10/25		
Diesel Range Organics (C10-C28)	266	25.0	250	40.2	90.3	56-156			
Surrogate: n-Nonane	51.5		50.0		103	61-141			

Matrix Spike Dup (2511008-MSD1)					Source: E503041-03		Prepared: 03/10/25 Analyzed: 03/10/25		
Diesel Range Organics (C10-C28)	275	25.0	250	40.2	94.1	56-156	3.50	20	
Surrogate: n-Nonane	51.3		50.0		103	61-141			





QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/12/2025 11:26:36AM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2510110-BLK1)					Prepared: 03/07/25 Analyzed: 03/07/25				
Chloride	ND	20.0							
LCS (2510110-BS1)					Prepared: 03/07/25 Analyzed: 03/07/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2510110-MS1)					Source: E503045-05		Prepared: 03/07/25 Analyzed: 03/07/25		
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2510110-MSD1)					Source: E503045-05		Prepared: 03/07/25 Analyzed: 03/07/25		
Chloride	255	20.0	250	ND	102	80-120	0.00980	20	

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



Definitions and Notes

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	03/12/25 11:26

- 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

Page 1 of 2

Received by OCD: 7/22/2025 8:22:27 AM

Page 32 of 35

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Devon				Company: Devon		Lab WO#		1D 2D 3D Std				NM CO UT TX					
Project: <u>Gavcho Unit 17H</u>				Address: 5315 Buena Vista Dr		EEO 3045		Job Number				91058-0007					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220													
Address: 3122 National Parks Hwy				Phone: (575)689-7597													
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dv.com													
Phone: 575-988-0055				Miscellaneous: Jim Raley													
Email: agiovento@ensolum.com																	
Sample Information										Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
902	3/5/25	soil	1	BH05-01		1						X					
910				06		2						X					
914				07		3						X					
919				08		4						X					
1022				09		5						X					
1023				10		6						X					
1024				11		7						X					
1025				12		8						X					
1026				13		9						X					
1027				14		10						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovento@ensolum.com, jim.raley@dv.com, chamilton@ensolum.com, iestrella@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: <u>Israel Estrella</u>																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <u>(Y)</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



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Page 101 of 270



## Chain of Custody

Page 2 of 2

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Devon				Company: Devon		Lab WO#		1D 2D 3D Std				NM CO UT TX					
Project: <u>Gaucho Unit 17H-</u>				Address: 5315 Buena Vista Dr		E503045		Job Number				10580007					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220													
Address: 3122 National Parks Hwy				Phone: (575)689-7597													
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dv.com													
Phone: 575-988-0055				Miscellaneous: Jim Raley													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
908	3/5/25	soil	1	BH05-.5'		11						X					
913				06		12						X					
917				07		13						X					
922				08		14						X					
1152				09		15						X					
1154				10		16						X					
1155				11		17						X					
1157				12		18						X					
1158				13		19						X					
1200				14		20						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dv.com, chamilton@ensolum.com, iestrella@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: <u>Israel Estrella</u>																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <u>(Y)</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



envirotech

## Envirotech Analytical Laboratory

Printed: 3/7/2025 8:19:55AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	03/07/25 07:45	Work Order ID:	E503045
Phone:	(505) 382-1211	Date Logged In:	03/06/25 15:53	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	03/13/25 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/ResolutionSample 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.



## Envirotech Analytical Laboratory

Printed: 3/7/2025 8:19:55AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	03/07/25 07:45	Work Order ID:	E503045
Phone:	(505) 382-1211	Date Logged In:	03/06/25 15:53	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	03/13/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
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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:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: Gaucho Unit 17H

Work Order: E505302

Job Number: 01058-0007

Received: 5/29/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
6/4/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 6/4/25

Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: Gaucho Unit 17H  
Workorder: E505302  
Date Received: 5/29/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/29/2025 8:00:00AM, under the Project Name: Gaucho Unit 17H.

The analytical test results summarized in this report with the Project Name: Gaucho Unit 17H 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)

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**Southern New Mexico Area**

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

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

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Gaicho Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	06/04/25 08:14

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS09-4'	E505302-01A	Soil	05/27/25	05/29/25	Glass Jar, 2 oz.
FS19-4'	E505302-02A	Soil	05/27/25	05/29/25	Glass Jar, 2 oz.
FS20-2'	E505302-03A	Soil	05/27/25	05/29/25	Glass Jar, 2 oz.
FS21-2'	E505302-04A	Soil	05/27/25	05/29/25	Glass Jar, 2 oz.
FS36-2'	E505302-05A	Soil	05/27/25	05/29/25	Glass Jar, 2 oz.
FS37-2'	E505302-06A	Soil	05/27/25	05/29/25	Glass Jar, 2 oz.





## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/4/2025 8:14:55AM

**FS09-4'**

**E505302-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2522061	
Benzene	ND	0.0250	1	05/29/25	05/30/25	
Ethylbenzene	ND	0.0250	1	05/29/25	05/30/25	
Toluene	ND	0.0250	1	05/29/25	05/30/25	
o-Xylene	ND	0.0250	1	05/29/25	05/30/25	
p,m-Xylene	ND	0.0500	1	05/29/25	05/30/25	
Total Xylenes	ND	0.0250	1	05/29/25	05/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	05/29/25	05/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2522061	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/29/25	05/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	05/29/25	05/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2522073	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/30/25	06/02/25	
<i>Surrogate: n-Nonane</i>		113 %	61-141	05/30/25	06/02/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2522067	
Chloride	ND	20.0	1	05/29/25	05/29/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/4/2025 8:14:55AM

FS19-4'

E505302-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522061
Benzene	ND	0.0250	1	05/29/25	05/30/25	
Ethylbenzene	ND	0.0250	1	05/29/25	05/30/25	
Toluene	ND	0.0250	1	05/29/25	05/30/25	
o-Xylene	ND	0.0250	1	05/29/25	05/30/25	
p,m-Xylene	ND	0.0500	1	05/29/25	05/30/25	
Total Xylenes	ND	0.0250	1	05/29/25	05/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	05/29/25	05/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522061
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/29/25	05/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.9 %	70-130	05/29/25	05/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2522073
Diesel Range Organics (C10-C28)	32.7	25.0	1	05/30/25	05/30/25	
Oil Range Organics (C28-C36)	153	50.0	1	05/30/25	05/30/25	
<i>Surrogate: n-Nonane</i>						
		107 %	61-141	05/30/25	05/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2522067
Chloride	229	20.0	1	05/29/25	05/29/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/4/2025 8:14:55AM

FS20-2'

E505302-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2522061	
Benzene	ND	0.0250	1	05/29/25	05/30/25	
Ethylbenzene	ND	0.0250	1	05/29/25	05/30/25	
Toluene	ND	0.0250	1	05/29/25	05/30/25	
o-Xylene	ND	0.0250	1	05/29/25	05/30/25	
p,m-Xylene	ND	0.0500	1	05/29/25	05/30/25	
Total Xylenes	ND	0.0250	1	05/29/25	05/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	05/29/25	05/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2522061	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/29/25	05/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	05/29/25	05/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2522073	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/25	05/30/25	
Oil Range Organics (C28-C36)	108	50.0	1	05/30/25	05/30/25	
<i>Surrogate: n-Nonane</i>		113 %	61-141	05/30/25	05/30/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2522067	
Chloride	185	20.0	1	05/29/25	05/29/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/4/2025 8:14:55AM

FS21-2'

E505302-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522061
Benzene	ND	0.0250	1	05/29/25	05/30/25	
Ethylbenzene	ND	0.0250	1	05/29/25	05/30/25	
Toluene	ND	0.0250	1	05/29/25	05/30/25	
o-Xylene	ND	0.0250	1	05/29/25	05/30/25	
p,m-Xylene	ND	0.0500	1	05/29/25	05/30/25	
Total Xylenes	ND	0.0250	1	05/29/25	05/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	05/29/25	05/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522061
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/29/25	05/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.3 %	70-130	05/29/25	05/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2522073
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/25	05/30/25	
Oil Range Organics (C28-C36)	101	50.0	1	05/30/25	05/30/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	05/30/25	05/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2522067
Chloride	64.2	20.0	1	05/29/25	05/29/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/4/2025 8:14:55AM

FS36-2'

E505302-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522061
Benzene	ND	0.0250	1	05/29/25	05/30/25	
Ethylbenzene	ND	0.0250	1	05/29/25	05/30/25	
Toluene	ND	0.0250	1	05/29/25	05/30/25	
o-Xylene	ND	0.0250	1	05/29/25	05/30/25	
p,m-Xylene	ND	0.0500	1	05/29/25	05/30/25	
Total Xylenes	ND	0.0250	1	05/29/25	05/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	05/29/25	05/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522061
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/29/25	05/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.4 %	70-130	05/29/25	05/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2522073
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/25	05/30/25	
Oil Range Organics (C28-C36)	83.2	50.0	1	05/30/25	05/30/25	
<i>Surrogate: n-Nonane</i>						
		108 %	61-141	05/30/25	05/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2522067
Chloride	178	20.0	1	05/29/25	05/29/25	





## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/4/2025 8:14:55AM

FS37-2'

E505302-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522061
Benzene	ND	0.0250	1	05/29/25	05/30/25	
Ethylbenzene	ND	0.0250	1	05/29/25	05/30/25	
Toluene	ND	0.0250	1	05/29/25	05/30/25	
o-Xylene	ND	0.0250	1	05/29/25	05/30/25	
p,m-Xylene	ND	0.0500	1	05/29/25	05/30/25	
Total Xylenes	ND	0.0250	1	05/29/25	05/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	05/29/25	05/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522061
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/29/25	05/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	05/29/25	05/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2522073
Diesel Range Organics (C10-C28)	ND	25.0	1	05/30/25	05/30/25	
Oil Range Organics (C28-C36)	76.0	50.0	1	05/30/25	05/30/25	
<i>Surrogate: n-Nonane</i>						
		110 %	61-141	05/30/25	05/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2522067
Chloride	22.3	20.0	1	05/29/25	05/29/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucha Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/4/2025 8:14:55AM

Volatile Organics by EPA 8021B

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 (2522061-BLK1) Prepared: 05/29/25 Analyzed: 05/30/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.25		8.00		103	70-130			

LCS (2522061-BS1) Prepared: 05/29/25 Analyzed: 05/30/25

Benzene	4.75	0.0250	5.00		95.0	70-130			
Ethylbenzene	4.70	0.0250	5.00		93.9	70-130			
Toluene	4.72	0.0250	5.00		94.4	70-130			
o-Xylene	4.67	0.0250	5.00		93.5	70-130			
p,m-Xylene	9.52	0.0500	10.0		95.2	70-130			
Total Xylenes	14.2	0.0250	15.0		94.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			

Matrix Spike (2522061-MS1) Source: E505301-03 Prepared: 05/29/25 Analyzed: 05/30/25

Benzene	5.28	0.0250	5.00	ND	106	70-130			
Ethylbenzene	5.24	0.0250	5.00	ND	105	70-130			
Toluene	5.27	0.0250	5.00	ND	105	70-130			
o-Xylene	5.24	0.0250	5.00	ND	105	70-130			
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130			
Total Xylenes	15.8	0.0250	15.0	ND	106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.86		8.00		98.3	70-130			

Matrix Spike Dup (2522061-MSD1) Source: E505301-03 Prepared: 05/29/25 Analyzed: 05/30/25

Benzene	5.41	0.0250	5.00	ND	108	70-130	2.34	27	
Ethylbenzene	5.40	0.0250	5.00	ND	108	70-130	3.02	26	
Toluene	5.40	0.0250	5.00	ND	108	70-130	2.45	20	
o-Xylene	5.37	0.0250	5.00	ND	107	70-130	2.47	25	
p,m-Xylene	10.9	0.0500	10.0	ND	109	70-130	3.22	23	
Total Xylenes	16.3	0.0250	15.0	ND	109	70-130	2.97	26	
Surrogate: 4-Bromochlorobenzene-PID	8.24		8.00		103	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/4/2025 8:14:55AM

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 (2522061-BLK1) Prepared: 05/29/25 Analyzed: 05/30/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.54		8.00		107	70-130			

LCS (2522061-BS2) Prepared: 05/29/25 Analyzed: 05/30/25

Gasoline Range Organics (C6-C10)	50.0	20.0	50.0		99.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.02		8.00		113	70-130			

Matrix Spike (2522061-MS2) Source: E505301-03 Prepared: 05/29/25 Analyzed: 05/30/25

Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.52		8.00		107	70-130			

Matrix Spike Dup (2522061-MSD2) Source: E505301-03 Prepared: 05/29/25 Analyzed: 05/30/25

Gasoline Range Organics (C6-C10)	44.7	20.0	50.0	ND	89.5	70-130	0.272	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.49		8.00		106	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/4/2025 8:14:55AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2522073-BLK1)					Prepared: 05/30/25 Analyzed: 05/30/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	62.0		50.0		124	61-141			

LCS (2522073-BS1)					Prepared: 05/30/25 Analyzed: 05/30/25				
Diesel Range Organics (C10-C28)	306	25.0	250		122	66-144			
Surrogate: n-Nonane	55.4		50.0		111	61-141			

Matrix Spike (2522073-MS1)					Source: E505301-02		Prepared: 05/30/25 Analyzed: 05/30/25		
Diesel Range Organics (C10-C28)	322	25.0	250	ND	129	56-156			
Surrogate: n-Nonane	53.4		50.0		107	61-141			

Matrix Spike Dup (2522073-MSD1)					Source: E505301-02		Prepared: 05/30/25 Analyzed: 05/30/25		
Diesel Range Organics (C10-C28)	328	25.0	250	ND	131	56-156	1.90	20	
Surrogate: n-Nonane	54.4		50.0		109	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/4/2025 8:14:55AM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2522067-BLK1)					Prepared: 05/29/25 Analyzed: 05/29/25				
Chloride	ND	20.0							
LCS (2522067-BS1)					Prepared: 05/29/25 Analyzed: 05/29/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2522067-MS1)					Source: E505301-03		Prepared: 05/29/25 Analyzed: 05/29/25		
Chloride	282	20.0	250	34.4	99.2	80-120			
Matrix Spike Dup (2522067-MSD1)					Source: E505301-03		Prepared: 05/29/25 Analyzed: 05/29/25		
Chloride	295	20.0	250	34.4	104	80-120	4.31	20	

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





Definitions and Notes

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	06/04/25 08:14

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Devon				Company: Devon Energy		Lab WO# <i>E 505302</i>		Job Number <i>01058-0007</i>				1D	2D	3D	Std	NM	CO	UT	TX
Project Gaucho Unit #017H				Address: 5315 Buena Vista Dr												x			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@envirotech.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			
Sample Information				Analysis and Method												EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
10:38	5/27/2025	Soil	1	FS09 - 4'		<i>1</i>													
10:41	5/27/2025	Soil	1	FS19 - 4'		<i>2</i>													
10:42	5/27/2025	Soil	1	FS20 - 2'		<i>3</i>													
10:39	5/27/2025	Soil	1	FS21 - 2'		<i>4</i>													
14:31	5/27/2025	Soil	1	FS36 - 2'		<i>5</i>													
14:33	5/27/2025	Soil	1	FS37 - 2'		<i>6</i>													
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@envirotech.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: <u>Israel Estrella</u>																			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> N													
<i>[Signature]</i>	<i>5/28/25</i>	<i>16:00</i>	<i>Michelle Gonzales</i>	<i>5-28-25</i>	<i>0711</i>														
<i>Michelle Gonzales</i>	<i>5-28-25</i>	<i>16:00</i>	<i>Richard Gonzales</i>	<i>5-28-25</i>	<i>16:00</i>														
<i>Richard Gonzales</i>	<i>5-28-25</i>	<i>22:30</i>	<i>Michelle Gonzales</i>	<i>5-29-25</i>	<i>800</i>														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

## Envirotech Analytical Laboratory

Printed: 5/29/2025 9:13:41AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	05/29/25 08:00	Work Order ID:	E505302
Phone:	(505) 382-1211	Date Logged In:	05/28/25 15:09	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	06/04/25 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/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: Gaucho Unit 17H

Work Order: E505316

Job Number: 01058-0007

Received: 5/31/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
6/5/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 6/5/25



Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: Gaucho Unit 17H  
Workorder: E505316  
Date Received: 5/31/2025 6:15:09AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/31/2025 6:15:09AM, under the Project Name: Gaucho Unit 17H.

The analytical test results summarized in this report with the Project Name: Gaucho Unit 17H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
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## Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Gaucho Unit 17H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 06/05/25 14:49
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS08-6'	E505316-01A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS10-5'	E505316-02A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS11-6'	E505316-03A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS18-5'	E505316-04A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS38-4'	E505316-05A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS42-1'	E505316-06A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS43-1'	E505316-07A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS44-1'	E505316-08A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS45-1'	E505316-09A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS46-1'	E505316-10A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.
FS47-1'	E505316-11A	Soil	05/28/25	05/31/25	Glass Jar, 2 oz.



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/5/2025 2:49:28PM

**FS08-6'**

**E505316-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522092
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	05/31/25	05/31/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	05/31/25	05/31/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
<i>Surrogate: n-Nonane</i>						
		107 %	61-141	06/02/25	06/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2523029
Chloride	ND	20.0	1	06/02/25	06/02/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/5/2025 2:49:28PM

## FS10-5'

## E505316-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522092
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	05/31/25	05/31/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		106 %	70-130	05/31/25	05/31/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
<i>Surrogate: n-Nonane</i>						
		108 %	61-141	06/02/25	06/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2523029
Chloride	ND	20.0	1	06/02/25	06/02/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/5/2025 2:49:28PM

FS11-6'

E505316-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522092
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	05/31/25	05/31/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		105 %	70-130	05/31/25	05/31/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
<i>Surrogate: n-Nonane</i>						
		108 %	61-141	06/02/25	06/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2523029
Chloride	314	20.0	1	06/02/25	06/02/25	





## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/5/2025 2:49:28PM

FS18-5'

E505316-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522092
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	05/31/25	05/31/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		109 %	70-130	05/31/25	05/31/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
<i>Surrogate: n-Nonane</i>						
		106 %	61-141	06/02/25	06/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2523029
Chloride	ND	20.0	1	06/02/25	06/02/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/5/2025 2:49:28PM

FS38-4'

E505316-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522092
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	05/31/25	05/31/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		105 %	70-130	05/31/25	05/31/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
<i>Surrogate: n-Nonane</i>						
		108 %	61-141	06/02/25	06/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2523029
Chloride	111	20.0	1	06/02/25	06/02/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/5/2025 2:49:28PM

FS42-1'

E505316-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522092
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	05/31/25	05/31/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		106 %	70-130	05/31/25	05/31/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
<i>Surrogate: n-Nonane</i>						
		105 %	61-141	06/02/25	06/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2523029
Chloride	32.4	20.0	1	06/02/25	06/02/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/5/2025 2:49:28PM

FS43-1'

E505316-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522092
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	05/31/25	05/31/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		105 %	70-130	05/31/25	05/31/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
<i>Surrogate: n-Nonane</i>						
		108 %	61-141	06/02/25	06/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2523029
Chloride	41.0	20.0	1	06/02/25	06/02/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/5/2025 2:49:28PM

FS44-1'

E505316-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2522092	
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		05/31/25	05/31/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2522092	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		05/31/25	05/31/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2523018	
Diesel Range Organics (C10-C28)	26.2	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
<i>Surrogate: n-Nonane</i>						
	108 %	61-141		06/02/25	06/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2523029	
Chloride	ND	20.0	1	06/02/25	06/02/25	





## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/5/2025 2:49:28PM

FS45-1'

E505316-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522092
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	05/31/25	05/31/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		104 %	70-130	05/31/25	05/31/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
<i>Surrogate: n-Nonane</i>						
		106 %	61-141	06/02/25	06/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2523029
Chloride	228	20.0	1	06/02/25	06/02/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/5/2025 2:49:28PM

FS46-1'

E505316-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522092
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	05/31/25	05/31/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		103 %	70-130	05/31/25	05/31/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	06/02/25	06/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2523029
Chloride	ND	20.0	1	06/02/25	06/02/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/5/2025 2:49:28PM

FS47-1'

E505316-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522092
Benzene	ND	0.0250	1	05/31/25	05/31/25	
Ethylbenzene	ND	0.0250	1	05/31/25	05/31/25	
Toluene	ND	0.0250	1	05/31/25	05/31/25	
o-Xylene	ND	0.0250	1	05/31/25	05/31/25	
p,m-Xylene	ND	0.0500	1	05/31/25	05/31/25	
Total Xylenes	ND	0.0250	1	05/31/25	05/31/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	05/31/25	05/31/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2522092
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	05/31/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		105 %	70-130	05/31/25	05/31/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523018
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
<i>Surrogate: n-Nonane</i>						
		109 %	61-141	06/02/25	06/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2523029
Chloride	ND	40.0	2	06/02/25	06/02/25	



## QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucha Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/5/2025 2:49:28PM

## Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2522092-BLK1)

Prepared: 05/31/25 Analyzed: 05/31/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.48		8.00		93.5	70-130			

## LCS (2522092-BS1)

Prepared: 05/31/25 Analyzed: 05/31/25

Benzene	5.49	0.0250	5.00		110	70-130			
Ethylbenzene	5.42	0.0250	5.00		108	70-130			
Toluene	5.45	0.0250	5.00		109	70-130			
o-Xylene	5.37	0.0250	5.00		107	70-130			
p,m-Xylene	11.0	0.0500	10.0		110	70-130			
Total Xylenes	16.4	0.0250	15.0		109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.91		8.00		98.9	70-130			

## Matrix Spike (2522092-MS1)

Source: E505315-05

Prepared: 05/31/25 Analyzed: 05/31/25

Benzene	5.02	0.0250	5.00	ND	100	70-130			
Ethylbenzene	4.96	0.0250	5.00	ND	99.2	70-130			
Toluene	4.99	0.0250	5.00	ND	99.7	70-130			
o-Xylene	4.92	0.0250	5.00	ND	98.4	70-130			
p,m-Xylene	10.0	0.0500	10.0	ND	100	70-130			
Total Xylenes	15.0	0.0250	15.0	ND	99.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.2	70-130			

## Matrix Spike Dup (2522092-MSD1)

Source: E505315-05

Prepared: 05/31/25 Analyzed: 05/31/25

Benzene	4.96	0.0250	5.00	ND	99.2	70-130	1.19	27	
Ethylbenzene	4.93	0.0250	5.00	ND	98.6	70-130	0.545	26	
Toluene	4.94	0.0250	5.00	ND	98.7	70-130	1.01	20	
o-Xylene	4.88	0.0250	5.00	ND	97.6	70-130	0.854	25	
p,m-Xylene	10.0	0.0500	10.0	ND	100	70-130	0.391	23	
Total Xylenes	14.9	0.0250	15.0	ND	99.3	70-130	0.543	26	
Surrogate: 4-Bromochlorobenzene-PID	7.95		8.00		99.3	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/5/2025 2:49:28PM

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 (2522092-BLK1) Prepared: 05/31/25 Analyzed: 05/31/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.86		8.00		111	70-130			

LCS (2522092-BS2) Prepared: 05/31/25 Analyzed: 05/31/25

Gasoline Range Organics (C6-C10)	55.2	20.0	50.0		110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.76		8.00		109	70-130			

Matrix Spike (2522092-MS2) Source: E505315-05 Prepared: 05/31/25 Analyzed: 05/31/25

Gasoline Range Organics (C6-C10)	47.7	20.0	50.0	ND	95.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.98		8.00		112	70-130			

Matrix Spike Dup (2522092-MSD2) Source: E505315-05 Prepared: 05/31/25 Analyzed: 05/31/25

Gasoline Range Organics (C6-C10)	53.1	20.0	50.0	ND	106	70-130	10.7	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.56		8.00		107	70-130			





QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/5/2025 2:49:28PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2523018-BLK1)					Prepared: 06/02/25 Analyzed: 06/03/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.1		50.0		104	61-141			

LCS (2523018-BS1)					Prepared: 06/02/25 Analyzed: 06/03/25				
Diesel Range Organics (C10-C28)	262	25.0	250		105	66-144			
Surrogate: n-Nonane	51.3		50.0		103	61-141			

Matrix Spike (2523018-MS1)					Source: E505315-02		Prepared: 06/02/25 Analyzed: 06/03/25		
Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	56-156			
Surrogate: n-Nonane	51.6		50.0		103	61-141			

Matrix Spike Dup (2523018-MSD1)					Source: E505315-02		Prepared: 06/02/25 Analyzed: 06/03/25		
Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	56-156	1.62	20	
Surrogate: n-Nonane	52.5		50.0		105	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucha Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/5/2025 2:49:28PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2523029-BLK1)					Prepared: 06/02/25 Analyzed: 06/02/25				
Chloride	ND	20.0							
LCS (2523029-BS1)					Prepared: 06/02/25 Analyzed: 06/02/25				
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2523029-MS1)					Source: E505316-04		Prepared: 06/02/25 Analyzed: 06/02/25		
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2523029-MSD1)					Source: E505316-04		Prepared: 06/02/25 Analyzed: 06/02/25		
Chloride	257	20.0	250	ND	103	80-120	0.405	20	

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



Definitions and Notes

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	06/05/25 14:49

- ND            Analyte NOT DETECTED at or above the reporting limit
- NR            Not Reported
- RPD          Relative Percent Difference
- DNI          Did Not Ignite
- DNR          Did not react with the addition of acid or base.
- Note (1): Methods marked with \*\* are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

WO # 2156814

Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Devon				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Gaucho Unit #017H				Address: 5315 Buena Vista Dr		E505316	0058-007				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dm.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
9:45	5/28/2025	Soil	1	FS08 - 6'		1								X					
9:47	5/28/2025	Soil	1	FS10 - 5'		2								X					
12:37	5/28/2025	Soil	1	FS11 - 6'		3								X					
9:48	5/28/2025	Soil	1	FS18 - 5'		4								X					
13:08	5/28/2025	Soil	1	FS38 - 4'		5								X					
11:43	5/28/2025	Soil	1	FS42 - 1'		6								X					
11:41	5/28/2025	Soil	1	FS43 - 1'		7								X					
11:40	5/28/2025	Soil	1	FS44 - 1'		8								X					
11:35	5/28/2025	Soil	1	FS45 - 1'		9								X					
11:37	5/28/2025	Soil	1	FA46 - 1'		10								X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dm.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Israel Estrella																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



W0 # 2156814

## Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Devon				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Gaucho Unit #017H				Address: 5315 Buena Vista Dr		E505310	010580007				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dnv.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
11:38	5/28/2025	Soil	1	FS47 - 1'		11									X				
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dnv.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Israel Estrella																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> N							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

## Envirotech Analytical Laboratory

Printed: 6/2/2025 9:22:37AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	05/31/25 06:15	Work Order ID:	E505316
Phone:	(505) 382-1211	Date Logged In:	05/30/25 13:30	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	06/05/25 17:00 (3 day TAT)		

Chain of Custody (COC)

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

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/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: Gaucho Unit 17H

Work Order: E505326

Job Number: 01058-0007

Received: 6/2/2025

Revision: 3

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
6/20/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 6/20/25

Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: Gaucho Unit 17H  
Workorder: E505326  
Date Received: 6/2/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/2/2025 7:00:00AM, under the Project Name: Gaucho Unit 17H.

The analytical test results summarized in this report with the Project Name: Gaucho Unit 17H 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  
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[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

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

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## Sample Summary

Devon Energy - Carlsbad	Project Name:	Gaucha Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	06/20/25 12:51

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-0'	E505326-01A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS02-0'	E505326-02A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS03-0'	E505326-03A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS04-0'	E505326-04A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS05-0'	E505326-05A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS06-0'	E505326-06A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS07-0'	E505326-07A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS12-0'	E505326-08A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS13-0'	E505326-09A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS15-0'	E505326-10A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS16-0'	E505326-11A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS17-0'	E505326-12A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS22-9'	E505326-13A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS23-9'	E505326-14A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS25-0'	E505326-15A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS26-0'	E505326-16A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS27-2'	E505326-17A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS28-0'	E505326-18A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS29-2'	E505326-19A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS31-0'	E505326-20A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS32-0'	E505326-21A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS33-0'	E505326-22A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS34-0'	E505326-23A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS35-0'	E505326-24A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS39-4'	E505326-25A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS40-4'	E505326-26A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS41-4'	E505326-27A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS48-0'	E505326-28A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.
FS49-0'	E505326-29A	Soil	05/29/25	06/02/25	Glass Jar, 2 oz.



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

**FS01-0'**

**E505326-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2522097	
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		89.7 %	70-130	05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2522097	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.5 %	70-130	05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2523026	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	06/02/25	06/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2523036	
Chloride	ND	20.0	1	06/02/25	06/03/25	





## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS02-0'

E505326-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.0 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.8 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2523026
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		06/02/25	06/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2523036
Chloride	37.2	20.0	1	06/02/25	06/03/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS03-0'

E505326-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.0 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2523026
Diesel Range Organics (C10-C28)	35.0	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		06/02/25	06/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2523036
Chloride	35.5	20.0	1	06/02/25	06/03/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS04-0'

E505326-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.9 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2523026
Diesel Range Organics (C10-C28)	45.6	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		06/02/25	06/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2523036
Chloride	32.5	20.0	1	06/02/25	06/03/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS05-0'

E505326-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2522097	
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.5 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2522097	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.5 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2523026	
Diesel Range Organics (C10-C28)	77.8	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
<i>Surrogate: n-Nonane</i>						
	99.1 %	61-141		06/02/25	06/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2523036	
Chloride	263	20.0	1	06/02/25	06/03/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS06-0'

E505326-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.0 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.3 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2523026
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
<i>Surrogate: n-Nonane</i>						
	99.7 %	61-141		06/02/25	06/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2523036
Chloride	54.6	20.0	1	06/02/25	06/03/25	





## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS07-0'

E505326-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.0 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.2 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2523026
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
<i>Surrogate: n-Nonane</i>						
	100 %	61-141		06/02/25	06/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2523036
Chloride	205	20.0	1	06/02/25	06/03/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS12-0'

E505326-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID	91.2 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.8 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2523026
Diesel Range Organics (C10-C28)	85.8	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	62.8	50.0	1	06/02/25	06/02/25	
Surrogate: n-Nonane	99.2 %	61-141		06/02/25	06/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2523036
Chloride	41.0	20.0	1	06/02/25	06/03/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS13-0'

E505326-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.0 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2523026
Diesel Range Organics (C10-C28)	125	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	96.8	50.0	1	06/02/25	06/02/25	
<i>Surrogate: n-Nonane</i>						
	98.3 %	61-141		06/02/25	06/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523036
Chloride	30.8	20.0	1	06/02/25	06/03/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS15-0'

E505326-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2522097	
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.0 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2522097	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2523026	
Diesel Range Organics (C10-C28)	89.2	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	65.6	50.0	1	06/02/25	06/02/25	
<i>Surrogate: n-Nonane</i>						
	99.6 %	61-141		06/02/25	06/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: JM		Batch: 2523036	
Chloride	207	20.0	1	06/02/25	06/03/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS16-0'

E505326-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.9 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.9 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2523026
Diesel Range Organics (C10-C28)	45.3	25.0	1	06/02/25	06/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/02/25	
<i>Surrogate: n-Nonane</i>						
	99.1 %	61-141		06/02/25	06/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523036
Chloride	211	20.0	1	06/02/25	06/03/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS17-0'

E505326-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.0 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.4 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2523026
Diesel Range Organics (C10-C28)	46.7	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
<i>Surrogate: n-Nonane</i>						
	99.7 %	61-141		06/02/25	06/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523036
Chloride	354	20.0	1	06/02/25	06/03/25	





## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS22-9'

E505326-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.2 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.6 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2523026
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
<i>Surrogate: n-Nonane</i>						
	98.9 %	61-141		06/02/25	06/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523036
Chloride	686	20.0	1	06/02/25	06/03/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS23-9'

E505326-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.8 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.8 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2523026
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		06/02/25	06/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523036
Chloride	670	20.0	1	06/02/25	06/03/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Gaucho Unit 17H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/20/2025 12:51:30PM
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FS25-0'

E505326-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2522097	
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID	89.7 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2522097	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.8 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2523026	
Diesel Range Organics (C10-C28)	39.9	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
Surrogate: n-Nonane	98.9 %	61-141		06/02/25	06/03/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2523036	
Chloride	29.6	20.0	1	06/02/25	06/03/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS26-0'

E505326-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.5 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.7 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2523026
Diesel Range Organics (C10-C28)	98.8	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	76.7	50.0	1	06/02/25	06/03/25	
<i>Surrogate: n-Nonane</i>						
	99.7 %	61-141		06/02/25	06/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523036
Chloride	65.6	20.0	1	06/02/25	06/03/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS27-2'

E505326-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.1 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.7 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2523026
Diesel Range Organics (C10-C28)	57.4	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
<i>Surrogate: n-Nonane</i>						
	100 %	61-141		06/02/25	06/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523036
Chloride	349	20.0	1	06/02/25	06/03/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS28-0'

E505326-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.6 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.3 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2523026
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		06/02/25	06/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523036
Chloride	119	20.0	1	06/02/25	06/03/25	





## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS29-2'

E505326-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.8 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.9 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2523026
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		06/02/25	06/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523036
Chloride	492	20.0	1	06/02/25	06/03/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS31-0'

E505326-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Benzene	ND	0.0250	1	05/31/25	06/02/25	
Ethylbenzene	ND	0.0250	1	05/31/25	06/02/25	
Toluene	ND	0.0250	1	05/31/25	06/02/25	
o-Xylene	ND	0.0250	1	05/31/25	06/02/25	
p,m-Xylene	ND	0.0500	1	05/31/25	06/02/25	
Total Xylenes	ND	0.0250	1	05/31/25	06/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.7 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2522097
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/31/25	06/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		05/31/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2523026
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/03/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		06/02/25	06/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2523036
Chloride	ND	20.0	1	06/02/25	06/03/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS32-0'

E505326-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523001
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	06/01/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2523001
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		106 %	70-130	06/01/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523047
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
Surrogate: n-Nonane		105 %	61-141	06/02/25	06/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2523033
Chloride	ND	20.0	1	06/02/25	06/02/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS33-0'

E505326-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523001
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	06/01/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523001
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	06/01/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523047
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	06/02/25	06/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2523033
Chloride	58.9	20.0	1	06/02/25	06/02/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS34-0'

E505326-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2523001	
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		06/01/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2523001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	113 %	70-130		06/01/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2523047	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		06/02/25	06/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2523033	
Chloride	33.6	20.0	1	06/02/25	06/02/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS35-0'

E505326-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523001
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/01/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523001
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		105 %	70-130	06/01/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523047
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
<i>Surrogate: n-Nonane</i>						
		103 %	61-141	06/02/25	06/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2523033
Chloride	ND	20.0	1	06/02/25	06/02/25	





## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS39-4'

E505326-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523001
Benzene	ND	0.0250	1	06/01/25	06/02/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/02/25	
Toluene	ND	0.0250	1	06/01/25	06/02/25	
o-Xylene	ND	0.0250	1	06/01/25	06/02/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/02/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.4 %	70-130		06/01/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523001
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	109 %	70-130		06/01/25	06/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523047
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
<i>Surrogate: n-Nonane</i>						
	99.0 %	61-141		06/02/25	06/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2523033
Chloride	278	20.0	1	06/02/25	06/02/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS40-4'

E505326-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523001
Benzene	ND	0.0250	1	06/01/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/03/25	
Toluene	ND	0.0250	1	06/01/25	06/03/25	
o-Xylene	ND	0.0250	1	06/01/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.9 %	70-130		06/01/25	06/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523001
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	109 %	70-130		06/01/25	06/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523047
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		06/02/25	06/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2523033
Chloride	120	20.0	1	06/02/25	06/02/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS41-4'

E505326-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523001
Benzene	ND	0.0250	1	06/01/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/03/25	
Toluene	ND	0.0250	1	06/01/25	06/03/25	
o-Xylene	ND	0.0250	1	06/01/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		06/01/25	06/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523001
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	109 %	70-130		06/01/25	06/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523047
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
<i>Surrogate: n-Nonane</i>						
	97.7 %	61-141		06/02/25	06/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2523033
Chloride	79.8	20.0	1	06/02/25	06/02/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS48-0'

E505326-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523001
Benzene	ND	0.0250	1	06/01/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/03/25	
Toluene	ND	0.0250	1	06/01/25	06/03/25	
o-Xylene	ND	0.0250	1	06/01/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.4 %	70-130		06/01/25	06/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523001
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	110 %	70-130		06/01/25	06/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523047
Diesel Range Organics (C10-C28)	29.7	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
<i>Surrogate: n-Nonane</i>						
	100 %	61-141		06/02/25	06/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2523033
Chloride	74.4	20.0	1	06/02/25	06/02/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/20/2025 12:51:30PM

FS49-0'

E505326-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523001
Benzene	ND	0.0250	1	06/01/25	06/03/25	
Ethylbenzene	ND	0.0250	1	06/01/25	06/03/25	
Toluene	ND	0.0250	1	06/01/25	06/03/25	
o-Xylene	ND	0.0250	1	06/01/25	06/03/25	
p,m-Xylene	ND	0.0500	1	06/01/25	06/03/25	
Total Xylenes	ND	0.0250	1	06/01/25	06/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/01/25	06/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523001
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/01/25	06/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	06/01/25	06/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2523047
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/25	06/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/25	06/04/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	06/02/25	06/04/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2523033
Chloride	73.8	20.0	1	06/02/25	06/02/25	



## QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucha Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/20/2025 12:51:30PM

## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2522097-BLK1)

Prepared: 05/31/25 Analyzed: 06/02/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.84		8.00		85.5	70-130			

## LCS (2522097-BS1)

Prepared: 05/31/25 Analyzed: 06/02/25

Benzene	5.07	0.0250	5.00		101	70-130			
Ethylbenzene	5.00	0.0250	5.00		99.9	70-130			
Toluene	5.05	0.0250	5.00		101	70-130			
o-Xylene	4.94	0.0250	5.00		98.8	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.10		8.00		88.7	70-130			

## Matrix Spike (2522097-MS1)

Source: E505326-05

Prepared: 05/31/25 Analyzed: 06/02/25

Benzene	5.17	0.0250	5.00	ND	103	70-130			
Ethylbenzene	5.09	0.0250	5.00	ND	102	70-130			
Toluene	5.14	0.0250	5.00	ND	103	70-130			
o-Xylene	5.02	0.0250	5.00	ND	100	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.3	0.0250	15.0	ND	102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.21		8.00		90.1	70-130			

## Matrix Spike Dup (2522097-MSD1)

Source: E505326-05

Prepared: 05/31/25 Analyzed: 06/02/25

Benzene	5.53	0.0250	5.00	ND	111	70-130	6.86	27	
Ethylbenzene	5.45	0.0250	5.00	ND	109	70-130	6.90	26	
Toluene	5.50	0.0250	5.00	ND	110	70-130	6.84	20	
o-Xylene	5.38	0.0250	5.00	ND	108	70-130	6.92	25	
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130	6.91	23	
Total Xylenes	16.4	0.0250	15.0	ND	109	70-130	6.91	26	
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.5	70-130			





## QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucha Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/20/2025 12:51:30PM

## Volatile Organics by EPA 8021B

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 (2523001-BLK1)

Prepared: 06/01/25 Analyzed: 06/02/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.8	70-130			

## LCS (2523001-BS1)

Prepared: 06/01/25 Analyzed: 06/02/25

Benzene	4.99	0.0250	5.00		99.8	70-130			
Ethylbenzene	4.94	0.0250	5.00		98.8	70-130			
Toluene	4.96	0.0250	5.00		99.1	70-130			
o-Xylene	4.90	0.0250	5.00		97.9	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	14.9	0.0250	15.0		99.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.6	70-130			

## Matrix Spike (2523001-MS1)

Source: E505326-21

Prepared: 06/01/25 Analyzed: 06/02/25

Benzene	4.57	0.0250	5.00	ND	91.5	70-130			
Ethylbenzene	4.53	0.0250	5.00	ND	90.6	70-130			
Toluene	4.54	0.0250	5.00	ND	90.9	70-130			
o-Xylene	4.48	0.0250	5.00	ND	89.7	70-130			
p,m-Xylene	9.19	0.0500	10.0	ND	91.9	70-130			
Total Xylenes	13.7	0.0250	15.0	ND	91.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.86		8.00		98.3	70-130			

## Matrix Spike Dup (2523001-MSD1)

Source: E505326-21

Prepared: 06/01/25 Analyzed: 06/02/25

Benzene	5.05	0.0250	5.00	ND	101	70-130	9.85	27	
Ethylbenzene	5.01	0.0250	5.00	ND	100	70-130	10.1	26	
Toluene	5.02	0.0250	5.00	ND	100	70-130	9.98	20	
o-Xylene	4.96	0.0250	5.00	ND	99.2	70-130	10.1	25	
p,m-Xylene	10.2	0.0500	10.0	ND	102	70-130	9.97	23	
Total Xylenes	15.1	0.0250	15.0	ND	101	70-130	10.0	26	
Surrogate: 4-Bromochlorobenzene-PID	7.64		8.00		95.5	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/20/2025 12:51:30PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2522097-BLK1) Prepared: 05/31/25 Analyzed: 06/02/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			

LCS (2522097-BS2) Prepared: 05/31/25 Analyzed: 06/02/25

Gasoline Range Organics (C6-C10)	43.1	20.0	50.0		86.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.94		8.00		99.2	70-130			

Matrix Spike (2522097-MS2) Source: E505326-05 Prepared: 05/31/25 Analyzed: 06/02/25

Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			

Matrix Spike Dup (2522097-MSD2) Source: E505326-05 Prepared: 05/31/25 Analyzed: 06/02/25

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.0	70-130	9.24	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.3	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/20/2025 12:51:30PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2523001-BLK1) Prepared: 06/01/25 Analyzed: 06/02/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.54		8.00		107	70-130			

LCS (2523001-BS2) Prepared: 06/01/25 Analyzed: 06/02/25

Gasoline Range Organics (C6-C10)	51.5	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.97		8.00		112	70-130			

Matrix Spike (2523001-MS2) Source: E505326-21 Prepared: 06/01/25 Analyzed: 06/02/25

Gasoline Range Organics (C6-C10)	51.4	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.04		8.00		113	70-130			

Matrix Spike Dup (2523001-MSD2) Source: E505326-21 Prepared: 06/01/25 Analyzed: 06/02/25

Gasoline Range Organics (C6-C10)	51.4	20.0	50.0	ND	103	70-130	0.0270	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.79		8.00		110	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucha Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/20/2025 12:51:30PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2523026-BLK1) Prepared: 06/02/25 Analyzed: 06/02/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.8		50.0		97.7	61-141			

LCS (2523026-BS1) Prepared: 06/02/25 Analyzed: 06/02/25

Diesel Range Organics (C10-C28)	275	25.0	250		110	66-144			
Surrogate: n-Nonane	48.8		50.0		97.6	61-141			

Matrix Spike (2523026-MS1) Source: E505326-10 Prepared: 06/02/25 Analyzed: 06/02/25

Diesel Range Organics (C10-C28)	431	25.0	250	89.2	137	56-156			
Surrogate: n-Nonane	50.4		50.0		101	61-141			

Matrix Spike Dup (2523026-MSD1) Source: E505326-10 Prepared: 06/02/25 Analyzed: 06/02/25

Diesel Range Organics (C10-C28)	412	25.0	250	89.2	129	56-156	4.63	20	
Surrogate: n-Nonane	51.5		50.0		103	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucha Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/20/2025 12:51:30PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2523047-BLK1)					Prepared: 06/02/25 Analyzed: 06/04/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.7		50.0		103	61-141			

LCS (2523047-BS1)					Prepared: 06/02/25 Analyzed: 06/04/25				
Diesel Range Organics (C10-C28)	280	25.0	250		112	66-144			
Surrogate: n-Nonane	50.3		50.0		101	61-141			

Matrix Spike (2523047-MS1)					Source: E505326-27		Prepared: 06/02/25 Analyzed: 06/04/25		
Diesel Range Organics (C10-C28)	292	25.0	250	ND	117	56-156			
Surrogate: n-Nonane	50.8		50.0		102	61-141			

Matrix Spike Dup (2523047-MSD1)					Source: E505326-27		Prepared: 06/02/25 Analyzed: 06/04/25		
Diesel Range Organics (C10-C28)	291	25.0	250	ND	117	56-156	0.0638	20	
Surrogate: n-Nonane	49.9		50.0		99.8	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/20/2025 12:51:30PM

Anions by EPA 300.0/9056A

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 (2523033-BLK1)					Prepared: 06/02/25 Analyzed: 06/02/25				
Chloride	ND	20.0							
LCS (2523033-BS1)					Prepared: 06/02/25 Analyzed: 06/02/25				
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2523033-MS1)					Source: E505323-05		Prepared: 06/02/25 Analyzed: 06/02/25		
Chloride	261	20.0	250	ND	104	80-120			
Matrix Spike Dup (2523033-MSD1)					Source: E505323-05		Prepared: 06/02/25 Analyzed: 06/02/25		
Chloride	261	20.0	250	ND	104	80-120	0.119	20	





QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/20/2025 12:51:30PM

Anions by EPA 300.0/9056A

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 (2523036-BLK1)					Prepared: 06/02/25 Analyzed: 06/03/25				
Chloride	ND	20.0							
LCS (2523036-BS1)					Prepared: 06/02/25 Analyzed: 06/03/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2523036-MS1)					Source: E505326-03		Prepared: 06/02/25 Analyzed: 06/03/25		
Chloride	288	20.0	250	35.5	101	80-120			
Matrix Spike Dup (2523036-MSD1)					Source: E505326-03		Prepared: 06/02/25 Analyzed: 06/03/25		
Chloride	290	20.0	250	35.5	102	80-120	0.575	20	

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



Definitions and Notes

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	06/20/25 12:51

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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

Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Devon				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Gaucho Unit #017H				Address: 5315 Buena Vista Dr		E500326	01058-0007				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dmv.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method						EPA Program							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1122	5/29/25	Soil	1	FS01-01		1								X		4.0			
1123				02		2								X		4.4			
1126				03		3								X		4.8			
1124				04		4								X		5.0			
1125				05		5								X		4.2			
1121				06		6								X		4.6			
1121				07		7								X		4.4			
1128				12		8								X		3.6			
1129				13		9								X		4.0			
1135				15		10								X		4.2			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dmv.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Israel Estrella																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: Y/N							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			





WO # 2156814

## Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Devon				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project: Gaucho Unit #017H				Address: 5315 Buena Vista Dr		E506326	01058-0007				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1134	5/29/25	Sd	1	FS16-01		11								X		4.5			
1138				17		12								X		4.7			
903				22		13								X		4.8			
904				23		14								X		5.0			
1148				25		15								X		4.8			
1149				26		16								X		4.2			
1140				27		17								X		3.4			
1142				28		18								X		3.2			
1142				29		19								X		3.0			
1151				31		20								X		4.0			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Israel Estrella																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			





WO # 2156814

## Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Devon				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project: Gaucho Unit #017H				Address: 5315 Buena Vista Dr		E505326	01058-0007				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dnv.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1152	5/30/25	Soil	1	FS 32-01		21								X					
1148				33		22								X					
1153				34		23								X					
1154				35		24								X					
905				39		25								X					
906				40		26								X					
1047				41		27								X					
1150				48		28								X					
1127				49		29								X					
														X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dnv.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Israel Estrella																			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> N													
Michelle Gonzales	5/30/25	7:11	Michelle Gonzales	5-30-25	0711														
L. J.	5-30-25	1750	L. J.	5-30-25	1800														
L. J.	5-31-25	0200	Nae Sita	5-31-25	0115														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

## Envirotech Analytical Laboratory

Printed: 6/2/2025 10:48:59AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	06/02/25 07:00	Work Order ID:	E505326
Phone:	(505) 382-1211	Date Logged In:	05/30/25 16:02	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	06/06/25 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/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

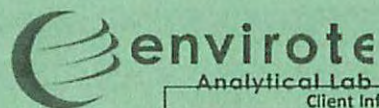
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.





WO# 2156814

## Chain of Custody

Page 1 of 3

Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Devon				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std								
Project: Gaucho Unit #017H				Address: 5315 Buena Vista Dr		E506326	01058-0001				x								
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@envirote.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method						EPA Program							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	ERO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCED 1005 - TX	RCRA 8 Metals	ISDDOC - NM	TX - DODD8	SDWA	CWA	RCRA	
1122	5/29/25	Soil	1	FS01-01		1								x		4.0			Changed
1123				02		2								x		4.4			Sample
1126				03		3								x		4.8			depth's
1124				04		4								x		5.0			per client
1125				05		5								x		4.2			NS 6-16-25
1121				06		6								x		4.6			
1121				07		7								x		4.4			Corrected
1128				12		8								x		3.6			Sample
1129				13		9								x		4.0			depth's for
1135	✓	✓	✓	15		10								x		4.2			Client.
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@envirote.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Israel Estrella																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> N											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			





WO # 2156814

## Chain of Custody

Page 2 of 3

Client Information				Invoice Information		Lab Use Only		TAT		State								
Client: Devon				Company: Devon Energy		Lab WO# E508326		Job Number 01058-00051		1D	2D	3D	Std	NM	CO	UT	TX	
Project: Gaucho Unit #017H				Address: 5315 Buena Vista Dr										X				
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: (575)689-7597														
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@envirote.com														
Phone: 575-988-0055				Miscellaneous: Jim Raley														
Email: agiovengo@envirote.com																		
Sample Information										Analysis and Method				EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	EGOC - NM	BDOC - TX	SDWA	CWA	RCRA
1134	5/29/25	Soil	1	F516-0'		11								X		4.5		
1138				17		12								X		4.7		
903				22 - 9'		13								X		4.8		
904				23 NS - 9'		14								X		5.0		
1148				25		15								X		4.8		
1149				26		16								X		4.2		
1140				27 NS - 2'		17								X		3.4		
1142				28		18								X		3.2		
1142				29 NS - 2'		19								X		3.0		
1151				31		20								X		4.0		
Additional Instructions: Please CC: cburton@envirote.com, agiovengo@envirote.com, jim.raley@envirote.com, iestrella@envirote.com, chamilton@envirote.com, bmoir@envirote.com																		
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Sampled by: Israel Estrella																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, D - Other																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		





WO # 2156814

## Chain of Custody

Page 3 of 3

Client Information				Invoice Information				Lab Use Only				TAT				State											
Client: Devon				Company: Devon Energy				Lab WO# E305326				Job Number 01058-0007				<table border="1"> <tr> <td>1D</td> <td>2D</td> <td>3D</td> <td>Std</td> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> </tr> </table>				1D	2D	3D	Std				X
1D	2D	3D	Std																								
			X																								
Project: Gaucho Unit #017H				Address: 5315 Buena Vista Dr												<table border="1"> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>TX</td> </tr> <tr> <td>X</td> <td></td> <td></td> <td></td> </tr> </table>				NM	CO	UT	TX	X			
NM	CO	UT	TX																								
X																											
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																							
Address: 3122 National Parks Hwy				Phone: (575)689-7597																							
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@env.com																							
Phone: 575-988-0055				Miscellaneous: Jim Raley																							
Email: agiovengo@ensolum.com																											
Sample Information												Analysis and Method				EPA Program											
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/DRO by 8015	GRD/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCO 1005 - TX	PCSA 8 Metals	IGDOC - NM	TX - 3003B	SDWA	CWA	RCRA								
1152	5/30/25	SOIL	1	FS 32-01			21								X		4.3										
1148				33			22								X		4.0										
1153				34			23								X		4.2										
1154				35			24								X		4.6										
905				39 4'			25								X		4.4										
906				40 4'			26								X		4.1										
1047				41 4'			27								X		4.0										
1150				48			28								X		3.6										
1127				49			29								X		3.8										
															X												
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@env.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																											
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Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time																	
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Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: Gaucho Unit 17H

Work Order: E506010

Job Number: 01058-0007

Received: 6/3/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
6/9/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 6/9/25

Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: Gaucho Unit 17H  
Workorder: E506010  
Date Received: 6/3/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/3/2025 8:00:00AM, under the Project Name: Gaucho Unit 17H.

The analytical test results summarized in this report with the Project Name: Gaucho Unit 17H 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  
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Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

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

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## Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Gaucho Unit 17H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 06/09/25 10:17
---	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01-0-4'	E506010-01A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
SW02-0-9'	E506010-02A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
SW03-0-9'	E506010-03A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
SW04-0-6'	E506010-04A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
SW05-0-5'	E506010-05A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
SW06-0-5'	E506010-06A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
SW07-0-4'	E506010-07A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
SW08-0-2'	E506010-08A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
SW09-0-1'	E506010-09A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS14-0.5'	E506010-10A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS24-0.5'	E506010-11A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.
FS30-0.5'	E506010-12A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.



## Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Gaucho Unit 17H Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 6/9/2025 10:17:17AM
---	---	---

**SW01-0-4'**

**E506010-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2523073	
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>97.4 %</i>	<i>70-130</i>		<i>06/03/25</i>	<i>06/04/25</i>	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2523073	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>106 %</i>	<i>70-130</i>		<i>06/03/25</i>	<i>06/04/25</i>	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2523083	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
<i>Surrogate: n-Nonane</i>	<i>112 %</i>	<i>61-141</i>		<i>06/03/25</i>	<i>06/05/25</i>	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2523089	
Chloride	57.5	20.0	1	06/03/25	06/04/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/9/2025 10:17:17AM

SW02-0-9'

E506010-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523073
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.1 %	70-130		06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523073
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2523083
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
<i>Surrogate: n-Nonane</i>						
	113 %	61-141		06/03/25	06/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523089
Chloride	47.3	20.0	1	06/03/25	06/04/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/9/2025 10:17:17AM

SW03-0-9'

E506010-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523073
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523073
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		106 %	70-130	06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2523083
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
<i>Surrogate: n-Nonane</i>						
		115 %	61-141	06/03/25	06/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523089
Chloride	372	20.0	1	06/03/25	06/04/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/9/2025 10:17:17AM

SW04-0-6'

E506010-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523073
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.8 %	70-130		06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523073
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2523083
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
<i>Surrogate: n-Nonane</i>						
	119 %	61-141		06/03/25	06/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523089
Chloride	99.1	20.0	1	06/03/25	06/04/25	





## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/9/2025 10:17:17AM

SW05-0-5'

E506010-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523073
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523073
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2523083
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
<i>Surrogate: n-Nonane</i>						
		113 %	61-141	06/03/25	06/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523089
Chloride	67.9	20.0	1	06/03/25	06/04/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/9/2025 10:17:17AM

SW06-0-5'

E506010-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523073
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523073
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		106 %	70-130	06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2523083
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
<i>Surrogate: n-Nonane</i>						
		116 %	61-141	06/03/25	06/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523089
Chloride	52.8	20.0	1	06/03/25	06/04/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/9/2025 10:17:17AM

SW07-0-4'

E506010-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523073
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523073
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		105 %	70-130	06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2523083
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
<i>Surrogate: n-Nonane</i>						
		114 %	61-141	06/03/25	06/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523089
Chloride	ND	20.0	1	06/03/25	06/04/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/9/2025 10:17:17AM

SW08-0-2'

E506010-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523073
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.1 %	70-130		06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523073
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2523083
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
<i>Surrogate: n-Nonane</i>						
	114 %	61-141		06/03/25	06/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523089
Chloride	ND	20.0	1	06/03/25	06/04/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/9/2025 10:17:17AM

SW09-0-1'

E506010-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523073
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523073
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2523083
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
<i>Surrogate: n-Nonane</i>						
		111 %	61-141	06/03/25	06/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523089
Chloride	107	20.0	1	06/03/25	06/04/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/9/2025 10:17:17AM

FS14-0.5'

E506010-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523073
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523073
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2523083
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
<i>Surrogate: n-Nonane</i>						
	112 %	61-141		06/03/25	06/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523089
Chloride	61.1	20.0	1	06/03/25	06/04/25	





## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/9/2025 10:17:17AM

FS24-0.5'

E506010-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523073
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523073
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		109 %	70-130	06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2523083
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
<i>Surrogate: n-Nonane</i>						
		116 %	61-141	06/03/25	06/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523089
Chloride	32.3	20.0	1	06/03/25	06/04/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/9/2025 10:17:17AM

FS30-0.5'

E506010-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523073
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2523073
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2523083
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
<i>Surrogate: n-Nonane</i>						
	116 %	61-141		06/03/25	06/05/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2523089
Chloride	65.3	20.0	1	06/03/25	06/04/25	



## QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucha Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/9/2025 10:17:17AM

## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2523073-BLK1)

Prepared: 06/03/25 Analyzed: 06/04/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.76		8.00		96.9	70-130			

## LCS (2523073-BS1)

Prepared: 06/03/25 Analyzed: 06/04/25

Benzene	4.85	0.0250	5.00		96.9	70-130			
Ethylbenzene	4.89	0.0250	5.00		97.9	70-130			
Toluene	4.88	0.0250	5.00		97.6	70-130			
o-Xylene	4.89	0.0250	5.00		97.8	70-130			
p,m-Xylene	9.95	0.0500	10.0		99.5	70-130			
Total Xylenes	14.8	0.0250	15.0		98.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.01		8.00		100	70-130			

## Matrix Spike (2523073-MS1)

Source: E506010-02

Prepared: 06/03/25 Analyzed: 06/04/25

Benzene	4.77	0.0250	5.00	ND	95.3	70-130			
Ethylbenzene	4.80	0.0250	5.00	ND	95.9	70-130			
Toluene	4.79	0.0250	5.00	ND	95.9	70-130			
o-Xylene	4.77	0.0250	5.00	ND	95.3	70-130			
p,m-Xylene	9.74	0.0500	10.0	ND	97.4	70-130			
Total Xylenes	14.5	0.0250	15.0	ND	96.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.6	70-130			

## Matrix Spike Dup (2523073-MSD1)

Source: E506010-02

Prepared: 06/03/25 Analyzed: 06/04/25

Benzene	4.73	0.0250	5.00	ND	94.5	70-130	0.831	27	
Ethylbenzene	4.85	0.0250	5.00	ND	97.0	70-130	1.10	26	
Toluene	4.80	0.0250	5.00	ND	95.9	70-130	0.0167	20	
o-Xylene	4.82	0.0250	5.00	ND	96.4	70-130	1.07	25	
p,m-Xylene	9.85	0.0500	10.0	ND	98.5	70-130	1.08	23	
Total Xylenes	14.7	0.0250	15.0	ND	97.8	70-130	1.08	26	
Surrogate: 4-Bromochlorobenzene-PID	8.16		8.00		102	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/9/2025 10:17:17AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2523073-BLK1) Prepared: 06/03/25 Analyzed: 06/04/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.47		8.00		106	70-130			

LCS (2523073-BS2) Prepared: 06/03/25 Analyzed: 06/04/25

Gasoline Range Organics (C6-C10)	54.2	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.49		8.00		106	70-130			

Matrix Spike (2523073-MS2) Source: E506010-02 Prepared: 06/03/25 Analyzed: 06/04/25

Gasoline Range Organics (C6-C10)	52.0	20.0	50.0	ND	104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.72		8.00		109	70-130			

Matrix Spike Dup (2523073-MSD2) Source: E506010-02 Prepared: 06/03/25 Analyzed: 06/04/25

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.7	70-130	7.34	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.63		8.00		108	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/9/2025 10:17:17AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2523083-BLK1)					Prepared: 06/03/25 Analyzed: 06/04/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.6		50.0		113	61-141			

LCS (2523083-BS1)					Prepared: 06/03/25 Analyzed: 06/04/25				
Diesel Range Organics (C10-C28)	288	25.0	250		115	66-144			
Surrogate: n-Nonane	54.6		50.0		109	61-141			

Matrix Spike (2523083-MS1)					Source: E506010-10		Prepared: 06/03/25 Analyzed: 06/05/25		
Diesel Range Organics (C10-C28)	301	25.0	250	ND	121	56-156			
Surrogate: n-Nonane	57.0		50.0		114	61-141			

Matrix Spike Dup (2523083-MSD1)					Source: E506010-10		Prepared: 06/03/25 Analyzed: 06/05/25		
Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	56-156	1.16	20	
Surrogate: n-Nonane	57.3		50.0		115	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/9/2025 10:17:17AM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2523089-BLK1)					Prepared: 06/03/25 Analyzed: 06/04/25				
Chloride	ND	20.0							
LCS (2523089-BS1)					Prepared: 06/03/25 Analyzed: 06/04/25				
Chloride	261	20.0	250		104	90-110			
Matrix Spike (2523089-MS1)					Source: E506010-01		Prepared: 06/03/25 Analyzed: 06/04/25		
Chloride	333	20.0	250	57.5	110	80-120			
Matrix Spike Dup (2523089-MSD1)					Source: E506010-01		Prepared: 06/03/25 Analyzed: 06/04/25		
Chloride	433	20.0	250	57.5	150	80-120	26.2	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

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	06/09/25 10:17

- 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.



Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: Devon Project: Gaucho Unit #017H Project Manager: Ashley Giovengo Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovento@ensolum.com				Company: Devon Energy Address: 5315 Buena Vista Dr City, State, Zip: Carlsbad NM, 88220 Phone: (575)689-7597 Email: jim.raley@dvn.com Miscellaneous: Jim Raley		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
						E500010	01058-007				x	x						
Sample Information						Analysis and Method								EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA
1053	5/30/25	Soil	1	SW01-0-4'		1								x		4.3		
1049				02-0-9'		2								x		3.1		
1052				03-0-9'		3								x		2.9		
1055				04-0-6'		4								x		3.2		
1057				05-0-5'		5								x		2.1		
1058				06-0-5'		6								x		2.3		
1100				07-0-4'		7								x		3.4		
1102				08-0-2'		8								x		4.6		
1105				09-0-1'		9								x		4.1		
						10								x				
Additional Instructions: Please CC: cburton@ensolum.com, agiovento@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Israel Estrella																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: (V) N										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



WO # 2156814

Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Devon				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project Gaucho Unit #017H				Address: 5315 Buena Vista Dr		E500010	01058-007				x	x							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dyn.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1216	5/30/25	Soil	1	FS14-0.5'		10								x					
1218	↓	↓	↓	↓ 24 ↓		11 + 2 cm								x					
1219	↓	↓	↓	↓ 30 ↓		12								x					
														x					
														x					
														x					
														x					
														x					
														x					
														x					
														x					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dyn.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Israel Estrella																			
Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> N							
Michelle Gonzales	6/2/25	7:11	Michelle Gonzales	6/2/25	1845	Michelle Gonzales	6/2/25	1845	Michelle Gonzales	6/2/25	1845								
Michelle Gonzales	6/2/25	1845	Michelle Gonzales	6/2/25	1845	Michelle Gonzales	6/2/25	1845	Michelle Gonzales	6/2/25	1845								
Michelle Gonzales	6/2/25	1845	Michelle Gonzales	6/2/25	1845	Michelle Gonzales	6/2/25	1845	Michelle Gonzales	6/2/25	1845								
Michelle Gonzales	6/2/25	1845	Michelle Gonzales	6/2/25	1845	Michelle Gonzales	6/2/25	1845	Michelle Gonzales	6/2/25	1845								
Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time								
Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time								
Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time								
Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time								
Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

## Envirotech Analytical Laboratory

Printed: 6/3/2025 8:45:32AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	06/03/25 08:00	Work Order ID:	E506010
Phone:	(505) 382-1211	Date Logged In:	06/02/25 15:26	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	06/09/25 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/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: Gaucho Unit 17H

Work Order: E506011

Job Number: 01058-0007

Received: 6/3/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
6/9/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 6/9/25

Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: Gaucho Unit 17H  
Workorder: E506011  
Date Received: 6/3/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/3/2025 8:00:00AM, under the Project Name: Gaucho Unit 17H.

The analytical test results summarized in this report with the Project Name: Gaucho Unit 17H 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  
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Field Offices:

**Southern New Mexico Area**

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[mgonzaless@envirotech-inc.com](mailto:mgonzaless@envirotech-inc.com)

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



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Sample Summary

Devon Energy - Carlsbad	Project Name:	Gaucha Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	06/09/25 15:03

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BF01	E506011-01A	Soil	05/30/25	06/03/25	Glass Jar, 2 oz.



## Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Gaucho Unit 17H Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 6/9/2025 3:03:53PM
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**BF01**

**E506011-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2523059	
Benzene	ND	0.0250	1	06/03/25	06/04/25	
Ethylbenzene	ND	0.0250	1	06/03/25	06/04/25	
Toluene	ND	0.0250	1	06/03/25	06/04/25	
o-Xylene	ND	0.0250	1	06/03/25	06/04/25	
p,m-Xylene	ND	0.0500	1	06/03/25	06/04/25	
Total Xylenes	ND	0.0250	1	06/03/25	06/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2523059	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/25	06/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.8 %	70-130	06/03/25	06/04/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2523080	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/25	06/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/25	06/05/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	06/03/25	06/05/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2523085	
Chloride	482	20.0	1	06/03/25	06/04/25	



## QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucha Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/9/2025 3:03:53PM

## Volatile Organics by EPA 8021B

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 (2523059-BLK1)

Prepared: 06/03/25 Analyzed: 06/03/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.31		8.00		104	70-130			

## LCS (2523059-BS1)

Prepared: 06/03/25 Analyzed: 06/03/25

Benzene	4.99	0.0250	5.00		99.9	70-130			
Ethylbenzene	5.02	0.0250	5.00		100	70-130			
Toluene	4.98	0.0250	5.00		99.7	70-130			
o-Xylene	5.00	0.0250	5.00		100	70-130			
p,m-Xylene	9.80	0.0500	10.0		98.0	70-130			
Total Xylenes	14.8	0.0250	15.0		98.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.72		8.00		109	70-130			

## Matrix Spike (2523059-MS1)

Source: E506005-05

Prepared: 06/03/25 Analyzed: 06/03/25

Benzene	4.83	0.0250	5.00	ND	96.5	70-130			
Ethylbenzene	4.85	0.0250	5.00	ND	97.0	70-130			
Toluene	4.81	0.0250	5.00	ND	96.3	70-130			
o-Xylene	4.82	0.0250	5.00	ND	96.4	70-130			
p,m-Xylene	9.49	0.0500	10.0	ND	94.9	70-130			
Total Xylenes	14.3	0.0250	15.0	ND	95.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.53		8.00		107	70-130			

## Matrix Spike Dup (2523059-MSD1)

Source: E506005-05

Prepared: 06/03/25 Analyzed: 06/03/25

Benzene	4.72	0.0250	5.00	ND	94.5	70-130	2.13	27	
Ethylbenzene	4.77	0.0250	5.00	ND	95.4	70-130	1.62	26	
Toluene	4.73	0.0250	5.00	ND	94.6	70-130	1.79	20	
o-Xylene	4.75	0.0250	5.00	ND	95.0	70-130	1.53	25	
p,m-Xylene	9.32	0.0500	10.0	ND	93.2	70-130	1.79	23	
Total Xylenes	14.1	0.0250	15.0	ND	93.8	70-130	1.70	26	
Surrogate: 4-Bromochlorobenzene-PID	8.50		8.00		106	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/9/2025 3:03:53PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2523059-BLK1) Prepared: 06/03/25 Analyzed: 06/03/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.78		8.00		84.7	70-130			

LCS (2523059-BS2) Prepared: 06/03/25 Analyzed: 06/03/25

Gasoline Range Organics (C6-C10)	42.7	20.0	50.0		85.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.06		8.00		88.2	70-130			

Matrix Spike (2523059-MS2) Source: E506005-05 Prepared: 06/03/25 Analyzed: 06/03/25

Gasoline Range Organics (C6-C10)	46.1	20.0	50.0	ND	92.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			

Matrix Spike Dup (2523059-MSD2) Source: E506005-05 Prepared: 06/03/25 Analyzed: 06/03/25

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.7	70-130	1.49	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.8	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucha Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/9/2025 3:03:53PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2523080-BLK1)					Prepared: 06/03/25 Analyzed: 06/05/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.9		50.0		102	61-141			

LCS (2523080-BS1)					Prepared: 06/03/25 Analyzed: 06/05/25				
Diesel Range Organics (C10-C28)	280	25.0	250		112	66-144			
Surrogate: n-Nonane	50.1		50.0		100	61-141			

Matrix Spike (2523080-MS1)					Source: E506008-06		Prepared: 06/03/25 Analyzed: 06/05/25		
Diesel Range Organics (C10-C28)	287	25.0	250	ND	115	56-156			
Surrogate: n-Nonane	50.3		50.0		101	61-141			

Matrix Spike Dup (2523080-MSD1)					Source: E506008-06		Prepared: 06/03/25 Analyzed: 06/05/25		
Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	56-156	2.39	20	
Surrogate: n-Nonane	49.7		50.0		99.3	61-141			





QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/9/2025 3:03:53PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2523085-BLK1)					Prepared: 06/03/25 Analyzed: 06/03/25				
Chloride	ND	20.0							
LCS (2523085-BS1)					Prepared: 06/03/25 Analyzed: 06/03/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2523085-MS1)					Source: E506008-08		Prepared: 06/03/25 Analyzed: 06/03/25		
Chloride	268	20.0	250	ND	107	80-120			
Matrix Spike Dup (2523085-MSD1)					Source: E506008-08		Prepared: 06/03/25 Analyzed: 06/03/25		
Chloride	267	20.0	250	ND	107	80-120	0.167	20	

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



Definitions and Notes

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	06/09/25 15:03

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.





WO # 2156814.

## Chain of Custody

Client Information						Invoice Information				Lab Use Only				TAT				State					
Client: Devon						Company: Devon Energy				Lab WO# E506011		Job Number 01058-0007		1D	2D	3D	Std	NM	CO	UT	TX		
Project Gaucho Unit #017H						Address: 5315 Buena Vista Dr											X	X					
Project Manager: Ashley Giovengo						City, State, Zip: Carlsbad NM, 88220																	
Address: 3122 National Parks Hwy						Phone: (575)689-7597																	
City, State, Zip: Carlsbad NM, 88220						Email: jim.raley@dnv.com																	
Phone: 575-988-0055						Miscellaneous: Jim Raley																	
Email: agiovengo@ensolum.com																							
Sample Information										Analysis and Method										EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BiDOC - NM	BiDOC - TX	SDWA	CWA	RCRA					
																	Compliance	Y	or	N			
																	PWSID #						
																	Sample Temp			Remarks			
13A2	5/30/25	Soil	1	BFO1		1									X		4.3						
															X								
															X								
															X								
															X								
															X								
															X								
															X								
															X								
															X								
															X								
															X								
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dnv.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																							
Sampled by: Israel Estrella																							
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.																	
[Signature]	6/2/25	7:11	Michele Gonzalez	6-2-25	0711																		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only																	
[Signature]	6-2-25	1845	[Signature]	6-2-25	1845	Received on ice:																	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	(Y) N																	
[Signature]	6-2-25	2400	[Signature]	6-3-25	800																		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time																		
[Signature]																							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							

## Envirotech Analytical Laboratory

Printed: 6/3/2025 8:51:01AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	06/03/25 08:00	Work Order ID:	E506011
Phone:	(505) 382-1211	Date Logged In:	06/02/25 15:31	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	06/09/25 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/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: Gaucho Unit 17H

Work Order: E506118

Job Number: 01058-0007

Received: 6/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
6/17/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 6/17/25



Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: Gaucho Unit 17H  
Workorder: E506118  
Date Received: 6/16/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/16/2025 7:30:00AM, under the Project Name: Gaucho Unit 17H.

The analytical test results summarized in this report with the Project Name: Gaucho Unit 17H 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  
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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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Sample Summary

Devon Energy - Carlsbad	Project Name:	GaUCHO Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	06/17/25 13:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS12-0.25'	E506118-01A	Soil	06/12/25	06/16/25	Glass Jar, 2 oz.
FS15-0.25'	E506118-02A	Soil	06/12/25	06/16/25	Glass Jar, 2 oz.
FS26-0.25'	E506118-03A	Soil	06/12/25	06/16/25	Glass Jar, 2 oz.



## Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Gaucho Unit 17H Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 6/17/2025 1:16:41PM
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**FS12-0.25'**

**E506118-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2525008	
Benzene	ND	0.0250	1	06/16/25	06/16/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/16/25	
Toluene	ND	0.0250	1	06/16/25	06/16/25	
o-Xylene	ND	0.0250	1	06/16/25	06/16/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/16/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	06/16/25	06/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2525008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.0 %	70-130	06/16/25	06/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2525017	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/16/25	06/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/16/25	06/16/25	
<i>Surrogate: n-Nonane</i>		120 %	61-141	06/16/25	06/16/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2525007	
Chloride	122	20.0	1	06/16/25	06/16/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/17/2025 1:16:41PM

FS15-0.25'

E506118-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2525008
Benzene	ND	0.0250	1	06/16/25	06/16/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/16/25	
Toluene	ND	0.0250	1	06/16/25	06/16/25	
o-Xylene	ND	0.0250	1	06/16/25	06/16/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/16/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	06/16/25	06/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2525008
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.4 %	70-130	06/16/25	06/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2525017
Diesel Range Organics (C10-C28)	ND	25.0	1	06/16/25	06/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/16/25	06/16/25	
<i>Surrogate: n-Nonane</i>						
		118 %	61-141	06/16/25	06/16/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2525007
Chloride	144	20.0	1	06/16/25	06/16/25	



## Sample Data

Devon Energy - Carlsbad  
6488 7 Rivers Hwy  
Artesia NM, 88210

Project Name: Gaucho Unit 17H  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
6/17/2025 1:16:41PM

FS26-0.25'

E506118-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2525008	
Benzene	ND	0.0250	1	06/16/25	06/16/25	
Ethylbenzene	ND	0.0250	1	06/16/25	06/16/25	
Toluene	ND	0.0250	1	06/16/25	06/16/25	
o-Xylene	ND	0.0250	1	06/16/25	06/16/25	
p,m-Xylene	ND	0.0500	1	06/16/25	06/16/25	
Total Xylenes	ND	0.0250	1	06/16/25	06/16/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.1 %	70-130	06/16/25	06/16/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2525008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/16/25	06/16/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.2 %	70-130	06/16/25	06/16/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2525017	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/16/25	06/16/25	
Oil Range Organics (C28-C36)	ND	50.0	1	06/16/25	06/16/25	
<i>Surrogate: n-Nonane</i>		117 %	61-141	06/16/25	06/16/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2525007	
Chloride	124	20.0	1	06/16/25	06/16/25	



## QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucha Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/17/2025 1:16:41PM

## Volatile Organics by EPA 8021B

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 (2525008-BLK1)

Prepared: 06/16/25 Analyzed: 06/17/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			

## LCS (2525008-BS1)

Prepared: 06/16/25 Analyzed: 06/17/25

Benzene	5.38	0.0250	5.00		108	70-130			
Ethylbenzene	5.23	0.0250	5.00		105	70-130			
Toluene	5.31	0.0250	5.00		106	70-130			
o-Xylene	5.08	0.0250	5.00		102	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.48		8.00		93.5	70-130			

## Matrix Spike (2525008-MS1)

Source: E506113-24

Prepared: 06/16/25 Analyzed: 06/17/25

Benzene	5.51	0.0250	5.00	ND	110	70-130			
Ethylbenzene	5.35	0.0250	5.00	ND	107	70-130			
Toluene	5.44	0.0250	5.00	ND	109	70-130			
o-Xylene	5.21	0.0250	5.00	ND	104	70-130			
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130			
Total Xylenes	15.9	0.0250	15.0	ND	106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.48		8.00		93.5	70-130			

## Matrix Spike Dup (2525008-MSD1)

Source: E506113-24

Prepared: 06/16/25 Analyzed: 06/17/25

Benzene	5.47	0.0250	5.00	ND	109	70-130	0.893	27	
Ethylbenzene	5.31	0.0250	5.00	ND	106	70-130	0.631	26	
Toluene	5.40	0.0250	5.00	ND	108	70-130	0.828	20	
o-Xylene	5.17	0.0250	5.00	ND	103	70-130	0.687	25	
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130	0.751	23	
Total Xylenes	15.8	0.0250	15.0	ND	105	70-130	0.730	26	
Surrogate: 4-Bromochlorobenzene-PID	7.47		8.00		93.4	70-130			





QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/17/2025 1:16:41PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2525008-BLK1) Prepared: 06/16/25 Analyzed: 06/17/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130			

LCS (2525008-BS2) Prepared: 06/16/25 Analyzed: 06/17/25

Gasoline Range Organics (C6-C10)	41.4	20.0	50.0		82.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.1	70-130			

Matrix Spike (2525008-MS2) Source: E506113-24 Prepared: 06/16/25 Analyzed: 06/17/25

Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	ND	88.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.8	70-130			

Matrix Spike Dup (2525008-MSD2) Source: E506113-24 Prepared: 06/16/25 Analyzed: 06/17/25

Gasoline Range Organics (C6-C10)	43.9	20.0	50.0	ND	87.9	70-130	1.00	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.7	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucha Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/17/2025 1:16:41PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2525017-BLK1)					Prepared: 06/16/25 Analyzed: 06/16/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	60.4		50.0		121	61-141			

LCS (2525017-BS1)					Prepared: 06/16/25 Analyzed: 06/16/25				
Diesel Range Organics (C10-C28)	271	25.0	250		108	66-144			
Surrogate: n-Nonane	57.3		50.0		115	61-141			

Matrix Spike (2525017-MS1)					Source: E506099-21		Prepared: 06/16/25 Analyzed: 06/16/25		
Diesel Range Organics (C10-C28)	280	25.0	250	ND	112	56-156			
Surrogate: n-Nonane	63.4		50.0		127	61-141			

Matrix Spike Dup (2525017-MSD1)					Source: E506099-21		Prepared: 06/16/25 Analyzed: 06/16/25		
Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	56-156	1.40	20	
Surrogate: n-Nonane	60.1		50.0		120	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/17/2025 1:16:41PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2525007-BLK1)					Prepared: 06/16/25 Analyzed: 06/16/25				
Chloride	ND	20.0							
LCS (2525007-BS1)					Prepared: 06/16/25 Analyzed: 06/16/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2525007-MS1)					Source: E506118-02		Prepared: 06/16/25 Analyzed: 06/16/25		
Chloride	389	20.0	250	144	97.8	80-120			
Matrix Spike Dup (2525007-MSD1)					Source: E506118-02		Prepared: 06/16/25 Analyzed: 06/16/25		
Chloride	409	20.0	250	144	106	80-120	5.14	20	

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



Definitions and Notes

Devon Energy - Carlsbad	Project Name:	Gaucho Unit 17H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	06/17/25 13:16

- ND      Analyte NOT DETECTED at or above the reporting limit
  - NR      Not Reported
  - RPD      Relative Percent Difference
  - DNI      Did Not Ignite
  - DNR      Did not react with the addition of acid or base.
- Note (1): Methods marked with \*\* are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client Information				Invoice Information				Lab Use Only				TAT				State					
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX		
Project: Gaucho Unit #017H				Address: 5315 Buena Vista Dr				E506118		010578-0007		X				X					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																	
Address: 3122 National Parks Hwy				Phone: (575)689-7597																	
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com																	
Phone: 575-988-0055				Miscellaneous: Jim Raley																	
Email: agiovengo@ensolum.com																					
Sample Information										Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
11:20	6/12/2025	S	1	FS12 - 0.25'			1								X		3.1				
11:19	6/12/2025	S	1	FS15 - 0.25'			2								X		4.1				
10:58	6/12/2025	S	1	FS26 - 0.25'			3								X		4.3				
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																					
Sampled by: Chad Hamilton																					
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. <b>Lab Use Only</b> Received on ice: <b>Y</b> N									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																					
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																					
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

## Envirotech Analytical Laboratory

Printed: 6/16/2025 9:20:51AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	06/16/25 07:30	Work Order ID:	E506118
Phone:	(505) 382-1211	Date Logged In:	06/13/25 15:33	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	06/16/25 17:00 (0 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/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.





## APPENDIX E

### NMOCD Correspondence

---

**From:** [Hamlet, Robert, EMNRD](#)  
**To:** [Cole Burton](#)  
**Cc:** [Raley, Jim](#); [Ashley Giovengo](#); [Bratcher, Michael, EMNRD](#); [Wells, Shelly, EMNRD](#)  
**Subject:** (Extension Approval) - Devon Energy Production Company, LP - Gaucho Unit #017H - nAPP2505549541  
**Date:** Wednesday, May 21, 2025 7:47:36 AM  
**Attachments:** [image006.png](#)  
[image007.png](#)  
[image008.png](#)

---

[ \*\*EXTERNAL EMAIL\*\* ]

RE: Incident #NAPP2505549541 GAUCHO UNIT #017H

Cole,

A 90-day extension is approved. Please have a remediation closure report uploaded to the OCD Permitting Portal no later than **August 19th, 2025**. Include this e-mail correspondence in the report.

**Robert Hamlet** • Environmental Specialist - Advanced  
Environmental Bureau  
EMNRD - Oil Conservation Division  
506 W. Texas Ave. | Artesia, NM 88210  
575.909.0302 | [robert.hamlet@emnrd.nm.gov](mailto:robert.hamlet@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>



---

**From:** Wells, Shelly, EMNRD <[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)>  
**Sent:** Tuesday, May 20, 2025 2:56 PM  
**To:** Hamlet, Robert, EMNRD <[Robert.Hamlet@emnrd.nm.gov](mailto:Robert.Hamlet@emnrd.nm.gov)>  
**Cc:** Bratcher, Michael, EMNRD <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>  
**Subject:** FW: [EXTERNAL] Extension Request - Devon Energy Production Company, LP - Gaucho Unit #017H - nAPP2505549541

---

**From:** Cole Burton <[cburton@ensolum.com](mailto:cburton@ensolum.com)>  
**Sent:** Tuesday, May 20, 2025 2:08 PM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>; Raley, Jim <[Jim.Raley@dvn.com](mailto:Jim.Raley@dvn.com)>  
**Cc:** Ashley Giovengo <[agiovengo@ensolum.com](mailto:agiovengo@ensolum.com)>

**Subject:** [EXTERNAL] Extension Request - Devon Energy Production Company, LP - Gaucho Unit #017H - nAPP2505549541

**CAUTION:** This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Hello all,

Devon Energy Production Company, LP (Devon) is requesting an extension for the current deadline of May 22, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Gaucho Unit #017H (Site) (Incident Number nAPP2505549541). The release occurred on February 21, 2025, and impacted an area on-pad approximately 25,430 square feet in size and off-pad approximately 18,910 square feet in size. Lateral and vertical delineation soil sampling in accordance with the strictest Closure Criteria per NMOCD Table I criteria has been completed at the Site and the off-pad mist zone was determined to have no detectable contamination. Excavation activities are scheduled to begin on March 21, 2025. Depth to water (DTW) has been established within a half mile radius of the Site and is determined to be greater than 60 feet below ground surface bgs. Devon intends to submit a remediation work plan or closure report upon receiving final laboratory analytical data from confirmation sampling activities. Devon respectfully requests a 90-day extension until August 20, 2025. Please let me know if you have any further questions regarding this site.

Thanks,



**Cole Burton**  
Project Manager  
575-706-5056  
**Ensolum, LLC**  
**in f X**

**From:** [Hamlet, Robert, EMNRD](#)  
**To:** [Ashley Giovengo](#)  
**Cc:** [Jim.Raley@dvn.com](#); [Rodgers, Scott, EMNRD](#); [Cole Burton](#); [Bratcher, Michael, EMNRD](#); [Wells, Shelly, EMNRD](#)  
**Subject:** (Variance Approval) - Confirmation Sampling Variance - Gaucho Unit 17H - Incident Number nAPP2505549541  
**Date:** Friday, April 4, 2025 3:24:24 PM  
**Attachments:** [image006.png](#)  
[image007.png](#)  
[image008.png](#)

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[ \*\*EXTERNAL EMAIL\*\* ]

Ashley,

The variance is approved for 400 ft<sup>2</sup> closure confirmation samples. The release area will still need closure confirmation sidewall samples representing no more than 200 ft<sup>2</sup>. Please include this e-mail correspondence in the remediation plan and/or remediation closure report.

Regards,

**Robert Hamlet** • Environmental Specialist - Advanced  
Environmental Bureau  
EMNRD - Oil Conservation Division  
506 W. Texas Ave. | Artesia, NM 88210  
575.909.0302 | [robert.hamlet@emnrd.nm.gov](mailto:robert.hamlet@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>



---

**From:** Wells, Shelly, EMNRD <[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)>  
**Sent:** Friday, April 4, 2025 1:55 PM  
**To:** Hamlet, Robert, EMNRD <[Robert.Hamlet@emnrd.nm.gov](mailto:Robert.Hamlet@emnrd.nm.gov)>  
**Cc:** Bratcher, Michael, EMNRD <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>  
**Subject:** FW: [EXTERNAL] Confirmation Sampling Variance - Gaucho Unit 17H - Incident Number nAPP2505549541

---

**From:** Ashley Giovengo <[agiovengo@ensolum.com](mailto:agiovengo@ensolum.com)>  
**Sent:** Friday, April 4, 2025 1:09 PM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>; Raley, Jim <[jim.raley@dvn.com](mailto:jim.raley@dvn.com)>; Velez, Nelson, EMNRD <[Nelson.Velez@emnrd.nm.gov](mailto:Nelson.Velez@emnrd.nm.gov)>; Rodgers, Scott, EMNRD <[Scott.Rodgers@emnrd.nm.gov](mailto:Scott.Rodgers@emnrd.nm.gov)>

**Cc:** Cole Burton <[cburton@ensolum.com](mailto:cburton@ensolum.com)>

**Subject:** [EXTERNAL] Confirmation Sampling Variance - Gaucho Unit 17H - Incident Number nAPP2505549541

**CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.**

Hello,

Devon Energy Production Company, LP (Devon) is requesting a confirmation sampling variance at the Gaucho Unit 17H (Site). On February 21, 2025, a leaking minion tank resulted in the release of approximately 22 barrels (bbls) of produced water and 64 bbls of crude oil onto the caliche pad; 21 bbls of produced water and 54 bbls of crude oil were recovered from the release area. Devon reported the release to the New Mexico Oil Conservation Division (NMOCD) and subsequently the release was assigned (Incident Number nAPP2505549541). The release impacted an area approximately 44,340 square feet (sq. ft.) in size on Federal Land managed by the Bureau of Land Management and overspray from the release lightly impacted the pasture area on the west side of the pad. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) soil boring, CP-01990-POD1, located 284 feet west of the Site. CP-01990-POD1 is a groundwater monitoring well with a reported depth to groundwater greater than 60 feet below ground surface (bgs) and a total depth of 60 feet bgs. A desktop review for potential site receptors has been completed for this Site and the site is greater than 1,000 ft. to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine (see Figure 1). The closest significant watercourse is a freshwater pond located approximately 1.04 miles northeast of the Site. The Site is not underlain by unstable geology (low potential karst designation area) and there are no indicators of surface or subsurface karst features observed at or around the Site. Based on the results of the desktop review, the following Site Closure Criteria will apply: 10 mg/kg benzene, 50 mg/kg BTEX, 1,000 mg/kg TPH – Gasoline Range Organics (GRO) and TPH – Diesel Range Organics (DRO), 2,500 mg/kg Total TPH and 10,000 mg/kg chloride.

Lateral and vertical delineation soil sampling has been completed in accordance with the strictest Closure Criteria per NMOCD Table I (see Figure 2). Thirteen lateral delineation soil sample locations (SS01 through SS13) were collected from around the release extent at ground surface and all were in compliance with the strictest Closure Criteria. Vertical delineation soil sample locations (BH01 through BH04) were all in compliance with the strictest Closure Criteria at a depth of 1-foot bgs in BH01 and BH02, 2 feet bgs in BH03 and 6 ft bgs in BH04 (see Table 1). Ten vertical delineation soil sample locations (BH05 through BH14) were collected from within the overspray area at ground surface and a depth of 0.5 feet bgs and all were in compliance with the strictest Site Closure Criteria at ground surface. Devon would like to request a confirmation sampling variance for excavation floor samples collected every 400 sq. ft. from the floor of the excavation and every 200 sq. ft. from the sidewalls of the excavation where applicable. Devon is in the process of selecting a subcontractor to complete remediation activities and will submit a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC following excavation and confirmation sampling activities. Due to the size of the impacted area, and a regional depth to groundwater greater than 60 ft bgs, Devon believes this *variance request* will provide equal or better protection of public health, the environment.

Devon respectfully requests approval for this *variance request* associated with Incident Number (nAPP2505549541).

Thanks,



**Ashley Giovengo**

Senior Scientist

575-988-0055

**Ensolum, LLC**

**in f X**

“Your authenticity is your superpower.” – Unknown



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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 464381

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 464381
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2505549541
Incident Name	NAPP2505549541 GAUCHO UNIT #017H @ 30-025-41854
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-41854] GAUCHO UNIT #017H

Location of Release Source	
Site Name	GAUCHO UNIT #017H
Date Release Discovered	02/21/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	19,081
What is the estimated number of samples that will be gathered	54
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/23/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Israel Estrella 575-291-9537
Please provide any information necessary for navigation to sampling site	32.370479, -103.502016

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

General Information  
Phone: (505) 629-6116

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

CONDITIONS

Action 464381

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 464381
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/19/2025

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**Energy, Minerals and Natural Resources**  
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**Santa Fe, NM 87505**

QUESTIONS

Action 464383

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 464383
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2505549541
Incident Name	NAPP2505549541 GAUCHO UNIT #017H @ 30-025-41854
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-41854] GAUCHO UNIT #017H

Location of Release Source	
Site Name	GAUCHO UNIT #017H
Date Release Discovered	02/21/2025
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	19,081
What is the estimated number of samples that will be gathered	54
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/27/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Israel Estrella 575-291-9537
Please provide any information necessary for navigation to sampling site	32.370479, -103.502016

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CONDITIONS

Action 464383

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Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
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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 464386

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 464386
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2505549541
Incident Name	NAPP2505549541 GAUCHO UNIT #017H @ 30-025-41854
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-41854] GAUCHO UNIT #017H

Location of Release Source	
Site Name	GAUCHO UNIT #017H
Date Release Discovered	02/21/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	19,081
What is the estimated number of samples that will be gathered	54
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/28/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Israel Estrella 575-291-9537
Please provide any information necessary for navigation to sampling site	32.370479, -103.502016

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

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1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS

Action 464386

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 464386
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/19/2025



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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 466951

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 466951
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2505549541
Incident Name	NAPP2505549541 GAUCHO UNIT #017H @ 30-025-41854
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-41854] GAUCHO UNIT #017H

Location of Release Source	
Site Name	GAUCHO UNIT #017H
Date Release Discovered	02/21/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	19,081
What is the estimated number of samples that will be gathered	54
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/29/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Israel Estrella 575-291-9537
Please provide any information necessary for navigation to sampling site	32.370479, -103.502016

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

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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

CONDITIONS

Action 466951

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 466951
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/23/2025

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 466953

## QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 466953
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

## QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2505549541
Incident Name	NAPP2505549541 GAUCHO UNIT #017H @ 30-025-41854
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-41854] GAUCHO UNIT #017H

Location of Release Source	
Site Name	GAUCHO UNIT #017H
Date Release Discovered	02/21/2025
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	19,081
What is the estimated number of samples that will be gathered	54
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/30/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Israel Estrella 575-291-9537
Please provide any information necessary for navigation to sampling site	32.370479, -103.502016

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1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS

Action 466953

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 466953
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/23/2025

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QUESTIONS

Action 472927

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 472927
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2505549541
Incident Name	NAPP2505549541 GAUCHO UNIT #017H @ 30-025-41854
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-41854] GAUCHO UNIT #017H

Location of Release Source	
Site Name	GAUCHO UNIT #017H
Date Release Discovered	02/21/2025
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	19,081
What is the estimated number of samples that will be gathered	54
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/12/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Israel Estrella 575-291-9537
Please provide any information necessary for navigation to sampling site	32.370479, -103.502016

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CONDITIONS

Action 472927

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 472927
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/10/2025
jraley	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	6/10/2025



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QUESTIONS

Action 487166

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 487166
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2505549541
Incident Name	NAPP2505549541 GAUCHO UNIT #017H @ 30-025-41854
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report 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	02/21/2025
Surface Owner	Federal

**Incident Details**

Please answer all the questions in this group.

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

**Nature and Volume of Release**

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Equipment Failure   Fitting   Crude Oil   Released: 64 BBL   Recovered: 54 BBL   Lost: 10 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Fitting   Produced Water   Released: 30 BBL   Recovered: 21 BBL   Lost: 9 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)	Stuffing box leak on wellhead allowed release of 80+ bbls to pad surface. Approx 75 bbls was recovered. Major notification made via email.

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QUESTIONS, Page 2

Action 487166

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 487166
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 07/22/2025
--	---

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QUESTIONS, Page 3

Action 487166

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 487166
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS****Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 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	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

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

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	24100
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	52510
GRO+DRO (EPA SW-846 Method 8015M)	38710
BTEX (EPA SW-846 Method 8021B or 8260B)	439
Benzene (EPA SW-846 Method 8021B or 8260B)	91

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

On what estimated date will the remediation commence	05/23/2025
On what date will (or did) the final sampling or liner inspection occur	06/12/2025
On what date will (or was) the remediation complete(d)	06/12/2025
What is the estimated surface area (in square feet) that will be reclaimed	19081
What is the estimated volume (in cubic yards) that will be reclaimed	1280
What is the estimated surface area (in square feet) that will be remediated	19081
What is the estimated volume (in cubic yards) that will be remediated	1280

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

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

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QUESTIONS, Page 4

Action 487166

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 487166
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**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	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<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: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 07/22/2025
<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 487166

QUESTIONS (continued)

Operator:  DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:  6137
	Action Number:  487166
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 487166

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 487166
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	472927
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/12/2025
What was the (estimated) number of samples that were to be gathered	54
What was the sampling surface area in square feet	19081

**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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	19081
What was the total volume (cubic yards) remediated	1280
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	19081
What was the total volume (in cubic yards) reclaimed	1280
Summarize any additional remediation activities not included by answers (above)	Remediation Complete

*The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.*

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 07/22/2025
--	--



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QUESTIONS, Page 7

Action 487166

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 487166
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 487166

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 487166
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2505549541 GAUCHO UNIT #017H, thank you. This Remediation Closure Report is approved.	8/26/2025