

Incident ID	nAPP2123141845
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

*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?	___ 605 ___ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

**Characterization Report Checklist:** *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Oil Conservation Division

Incident ID	nAPP2123141845
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Application ID	

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.

Printed Name: Dale Woodall

Title: Env Professional

Signature: Dale Woodall

Date: 11/15/2022

email: dale.woodall@dvn.com

Telephone: 405-318-4697

**OCD Only**

Received by: Jocelyn Harimon

Date: 03/21/2023

Incident ID	nAPP2123141845
District RP	
Facility ID	
Application ID	

## Closure

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 (electronic submittals in .pdf format are preferred) 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.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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.

Printed Name: Dale Woodall Title: EHS Professional

Signature: Dale Woodall Date: 11/15/2022

email: dale.woodall@dvn.com Telephone: 405-318-4697

**OCD Only**

Received by: Jocelyn Harimon Date: 03/21/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_



**Pima Environmental Services**  
**5614 N. Lovington Highway**  
**Hobbs, NM 88240**  
**575-964-7740**

November 14, 2022

Bureau of Land Management  
 620 East Green Street  
 Carlsbad, NM 88220

NMOCD District 2  
 811 S. First Street  
 Artesia, NM 88210

**Re: Site Assessment and Closure Report**  
**Gaicho Unit 30 CTB 1**  
**API No. N/A**  
**GPS: Latitude 32.360399 Longitude -103.501803**  
**UL I, Sec. 30, T22S, R34E**  
**Lea County, NM**  
**NMOCD Ref. No. NAPP2123141845**

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production, LLC. (Devon) to perform a spill assessment, remediation, and submit this closure report for a Produced Water and Crude Oil release that occurred at the Gaicho Unit 30 CTB 1 (Gaicho). The initial C-141 was submitted on August 19, 2021 (Appendix C). This incident was assigned Incident ID NAPP2123141845 by the New Mexico Oil Conservation Division (NMOCD).

**Site Characterization**

The Gaicho is located approximately twenty (20) miles Southwest of Eunice, NM. This spill site is in Unit I, Section 30, Township 22S, Range 34E, Latitude 32.360399 Longitude -103.501803, Lea County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. May locally include uppermost Eolian and piedmont deposits. The soil in this area is made up of Wink Fine sand, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well drained. There is a low potential for karst geology to be present around the Gaicho (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 605 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 18 feet BGS. The closest waterway is a Playa located approximately 6.22 miles to the Southeast of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29					
Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50'	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic Map.

**Release Information**

**NAPP2123141845:** On August 6, 2021, a water line developed a leak causing a fluid release. The released fluids were calculated to be approximately 6 barrels (bbls) of produced water and 2.46 barrels (bbls) of Crude Oil. A vacuum truck was able to recover approximately 5.46 bbls of total fluid from the impacted area.

**Site Assessment and Soil Sampling Results**

On July 14, 2022, Pima mobilized personnel to the site to assess the area. We sampled the impacted area. Laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

**7-14-22 Soil Sample Results**

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is >100')								
DEVON ENERGY GAUCHO 30 CTB #1								
Date: 7/14/2022		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
SW 1	1'	ND	ND	ND	ND	ND	0	ND
SW 2	1'	ND	ND	ND	ND	ND	0	ND
SW 3	1'	ND	ND	ND	ND	ND	0	ND
SW 4	1'	ND	ND	ND	ND	ND	0	ND
S-1	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
S-2	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
S-3	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
S-4	1'	ND	ND	ND	ND	ND	0	ND
	2'	ND	ND	ND	ND	ND	0	ND
BG-1	0-6"	ND	ND	ND	ND	ND	0	ND
BG-2	0-6"	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Based on the soil sample results, the contamination levels are already less than the regulatory limits of the most stringent criteria in Table 1 of NMAC 19.15.29.1.

Complete laboratory reports can be found in Appendix E.

**Closure Request**

After careful review, Pima requests that this incident, NAPP2123141845 be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Gio Gomez at 806-782-1151 or gio@pimaoil.com.

Respectfully,

*Gio Gomez*

Gio Gomez  
Project Manager  
Pima Environmental Services, LLC

**Attachments**

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and Geological Data
- Appendix C – C-141 Form and 48-Hour Notification
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports



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**Figures:**

1-Location Map

2-Topographic Map

3-Karst Map

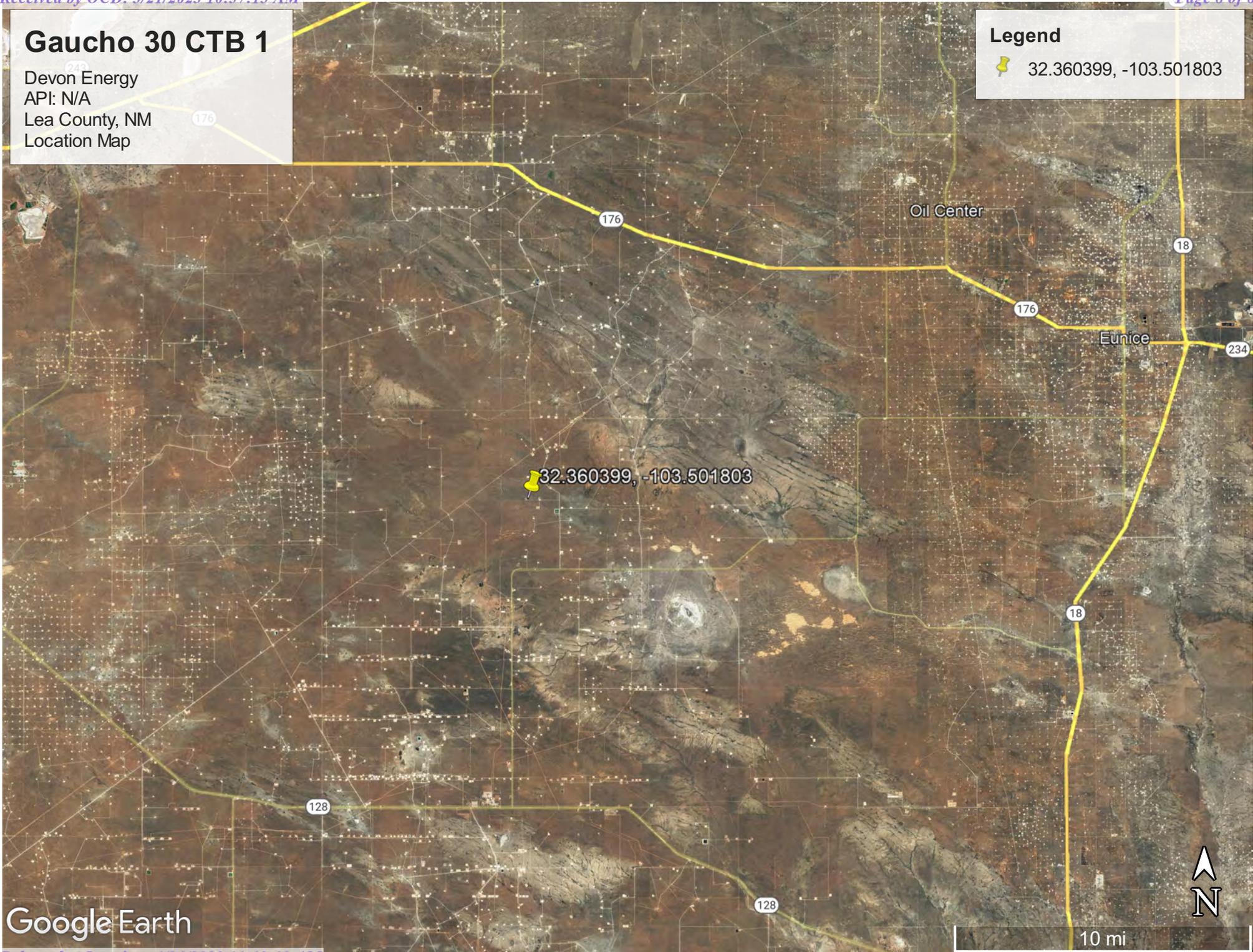
4-Site Map

# Gaucha 30 CTB 1

Devon Energy  
API: N/A  
Lea County, NM  
Location Map

**Legend**

 32.360399, -103.501803

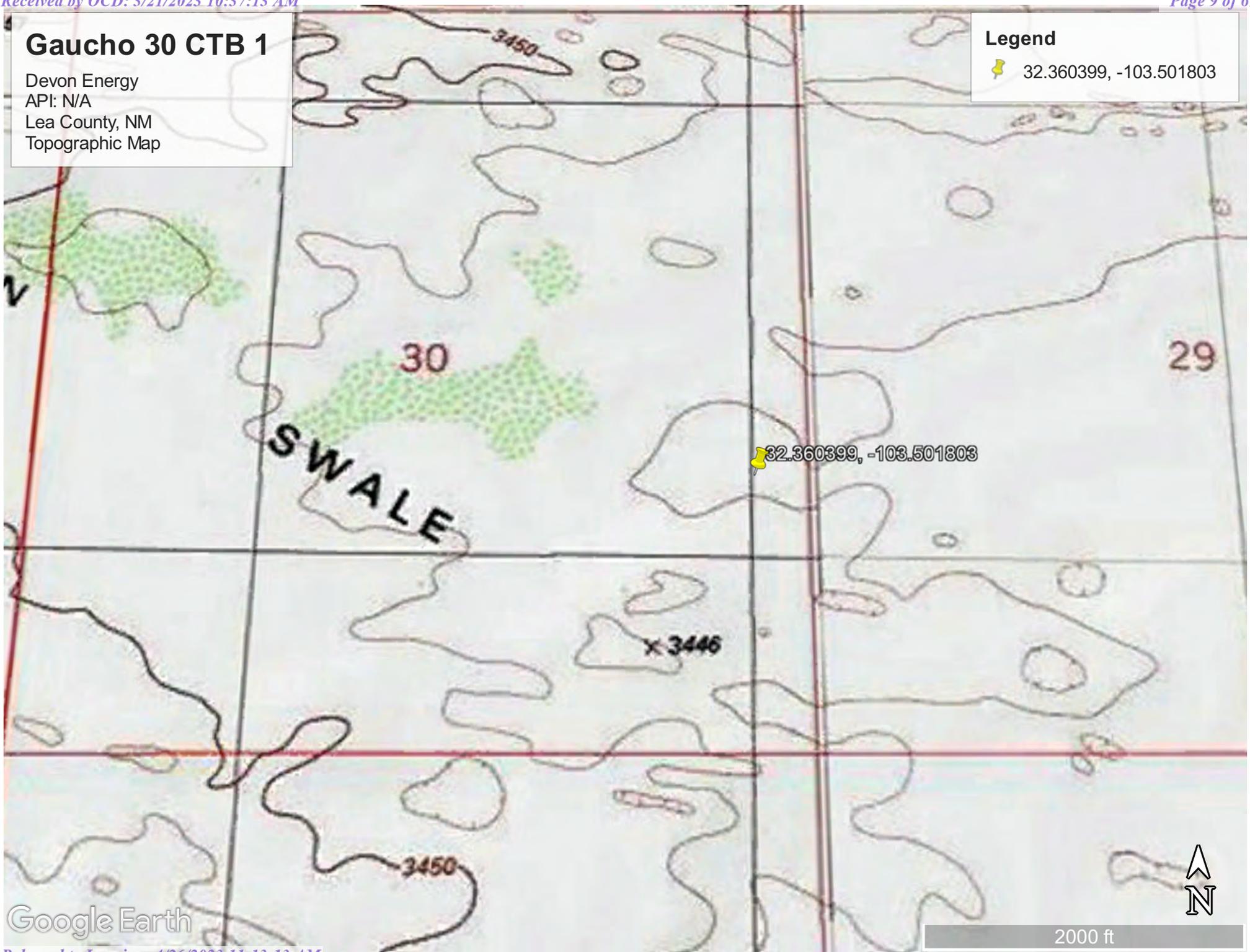


# Gaucha 30 CTB 1

Devon Energy  
API: N/A  
Lea County, NM  
Topographic Map

**Legend**

 32.360399, -103.501803



Google Earth

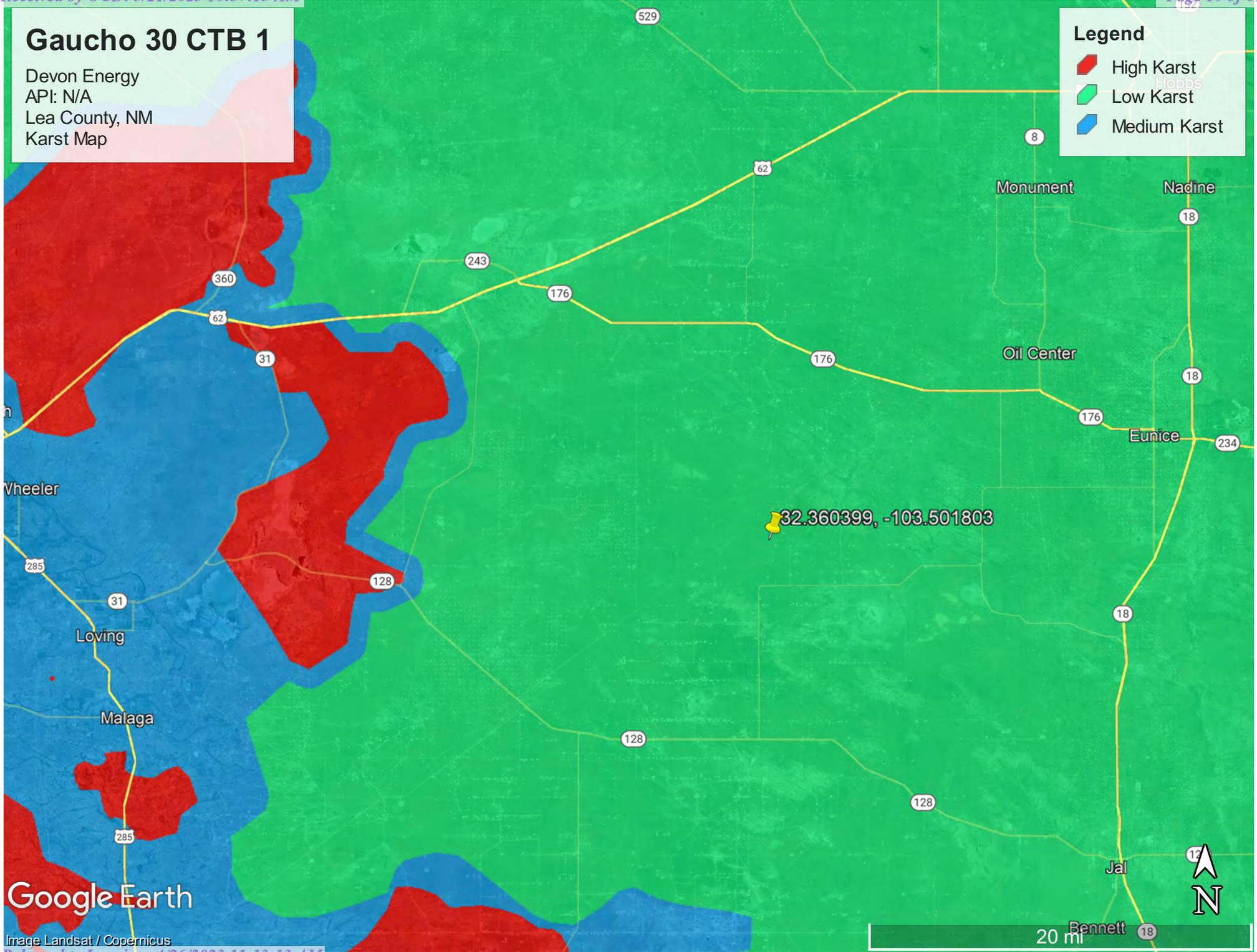
2000 ft

# Gaucha 30 CTB 1

Devon Energy  
API: N/A  
Lea County, NM  
Karst Map

**Legend**

- High Karst
- Low Karst
- Medium Karst



Google Earth

Image Landsat / Copernicus

# Gaicho 30 CTB 1

Devon Energy  
API# N/A  
Lea County, NM  
Sample Map  
NAPP2123141845

## Legend

-  Background/Sidewalls
-  Sample Point
-  Spill area



  
Gaicho 30 CTB1





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**Appendix A**

Water Surveys:

OSE

USGS

Surface Water Map



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">CP 00865 POD1</a>	CP	LE	LE	2	2	3	20	22S	34E	641845	3583118	1944	885	605	280
<a href="#">CP 01829 POD1</a>	CP	LE	LE	4	4	2	32	22S	34E	642559	3580172	2008	1410	1150	260
<a href="#">CP 01705 POD1</a>	CP	LE	LE	4	4	2	32	22S	34E	642588	3580179	2027	700	305	395
<a href="#">CP 01706 POD1</a>	CP	LE	LE	4	4	2	32	22S	34E	642603	3580185	2035	340	282	58
<a href="#">CP 01362 POD1</a>	CP	LE	LE	3	4	4	18	22S	34E	640809	3584182	2799	1032	613	419
<a href="#">CP 01455 POD1</a>	CP	LE	LE	4	1	4	18	22S	34E	640574	3584515	3152	1033	615	418
<a href="#">CP 01803 POD1</a>	CP	LE	LE	1	1	1	34	22S	34E	644357	3580786	3449	240	180	60
<a href="#">CP 01826 POD1</a>	CP	LE	LE	1	1	1	34	22S	34E	644379	3580778	3473	698	180	518
<a href="#">CP 01740 POD1</a>	CP	LE	LE	1	1	1	34	22S	34E	644402	3580765	3497	600	560	40
<a href="#">CP 00278 POD1</a>	CP	LE	LE	1	3	4	06	23S	34E	640413	3577897	3532	640		
<a href="#">CP 01722 POD1</a>	CP	LE	LE	4	4	2	18	22S	34E	640964	3584949	3562	1122	785	337
<a href="#">CP 01723 POD1</a>	CP	LE	LE	4	4	1	18	22S	34E	640117	3584905	3617	1140	785	355
<a href="#">CP 01502 POD1</a>	CP	LE	LE	4	3	3	05	23S	34E	641316	3577635	3768	648	200	448
<a href="#">CP 01130 POD1</a>	CP	LE	LE	2	1	2	07	23S	34E	640662	3577558	3839	27		
<a href="#">CP 01130 POD2</a>	CP	LE	LE	2	1	2	07	23S	34E	640674	3577549	3848	27		
<a href="#">CP 01502 POD2</a>	CP	LE	LE	4	3	3	05	23S	34E	642074	3577676	3873	680	300	380
<a href="#">CP 01075 POD1</a>	CP	LE	LE	1	1	1	08	23S	34E	641278	3577525	3874	430	20	410
<a href="#">CP 00872 POD1</a>	CP	LE	LE	1	1	1	08	23S	34E	641225	3577504*	3892	494	305	189
<a href="#">CP 01721 POD1</a>	CP	LE	LE	4	2	1	18	22S	34E	640181	3585244	3935	1108	820	288
<a href="#">CP 01622 POD1</a>	CP	LE	LE	1	3	3	04	23S	34E	642830	3577872	3981	575	285	290
<a href="#">CP 01724 POD1</a>	CP	LE	LE	3	1	1	18	22S	34E	639475	3585260	4148	1172	800	372
<a href="#">CP 00592 POD1</a>	CP	ED	ED	3	2	13	22S	33E		638834	3585015*	4204	427		
<a href="#">CP 01725 POD1</a>	CP	LE	LE	1	2	1	18	22S	34E	639914	3585521	4264	1137	800	337
<a href="#">CP 01886 POD1</a>	CP	LE	LE	4	1	4	07	23S	34E	640646	3576545	4852			

Average Depth to Water: **504 feet**  
 Minimum Depth: **20 feet**  
 Maximum Depth: **1150 feet**

**Record Count:** 24

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 640959.78

**Northing (Y):** 3581387

**Radius:** 5000

\*UTM location was derived from PLSS - see Help

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



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## National Water Information System: Web Interface

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Data Category:

Groundwater

Geographic Area:

United States

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- [Full News](#)

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

### Search Results -- 1 sites found

site\_no list =

- 322231103262601

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

### USGS 322231103262601 22S.34E.23.23131

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°22'47.6", Longitude 103°26'25.3" NAD83

Land-surface elevation 3,452 feet above NAVD88

The depth of the well is 60 feet below land surface.

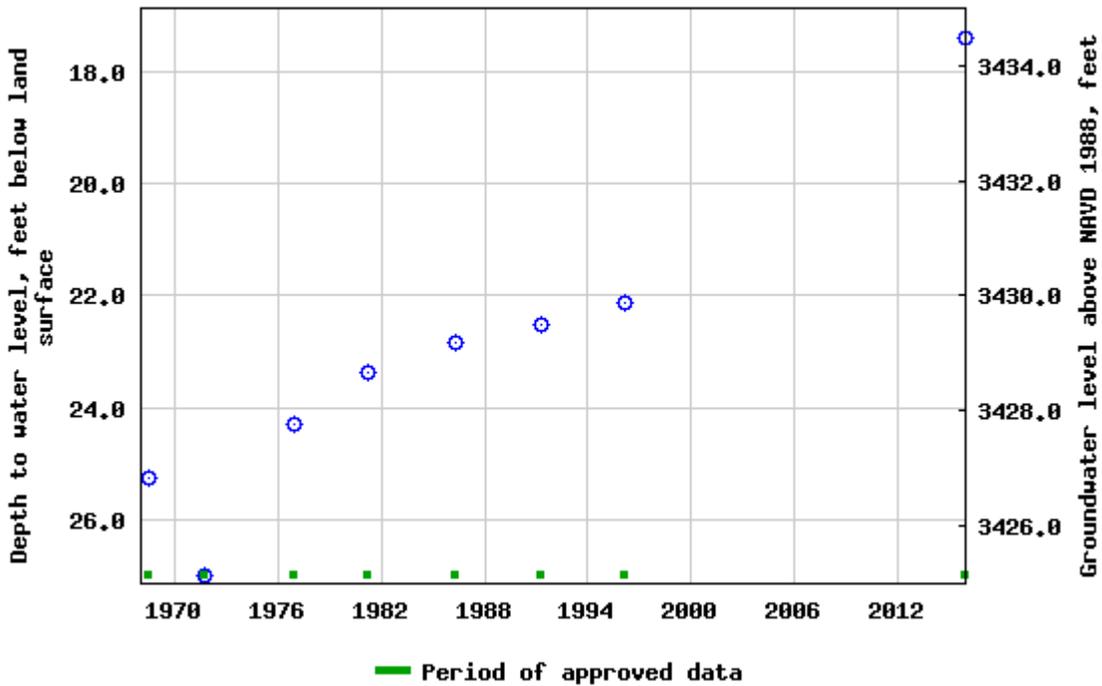
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

#### Output formats

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

USGS 322231103262601 22S,34E,23,23131



Breaks in the plot represent a gap of at least one year between field measurements.  
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**Title: Groundwater for USA: Water Levels**

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



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

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0.59 0.51 nadww01



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United States

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Groundwater levels for the Nation

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

### Search Results -- 1 sites found

site\_no list =

- 321917103303001

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

### USGS 321917103303001 23S.34E.06.43314

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°19'17", Longitude 103°30'30" NAD27

Land-surface elevation 3,480 feet above NAVD88

The depth of the well is 640 feet below land surface.

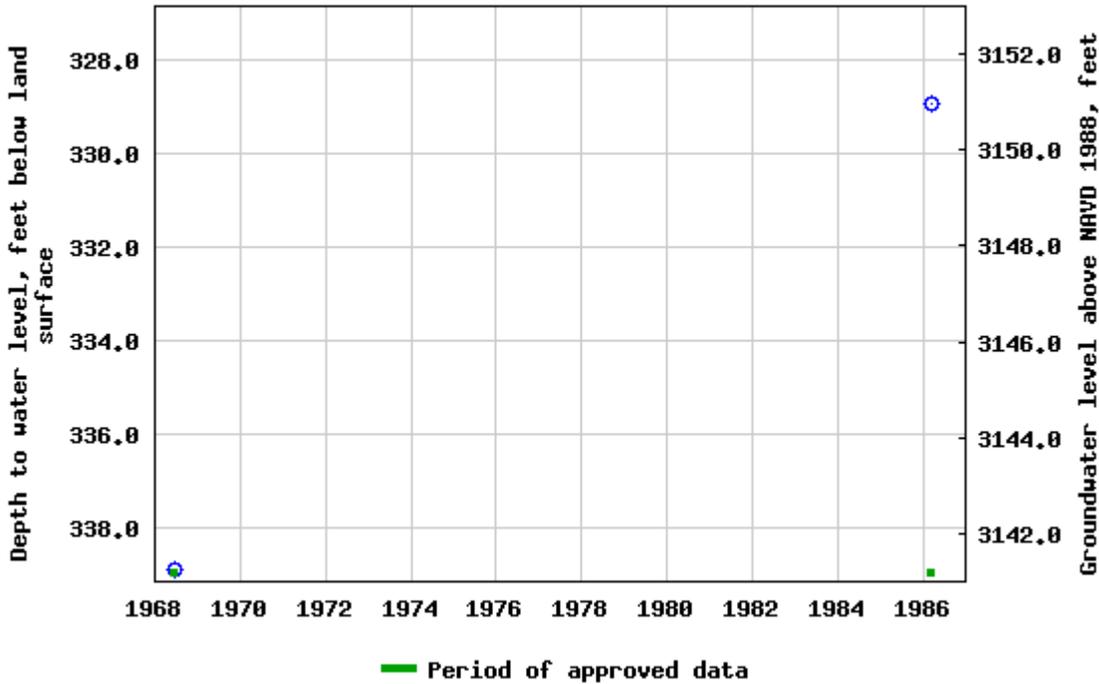
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

#### Output formats

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

USGS 321917103303001 23S,34E,06,43314



Breaks in the plot represent a gap of at least one year between field measurements.

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

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



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

Page Last Modified: 2022-07-19 16:40:20 EDT

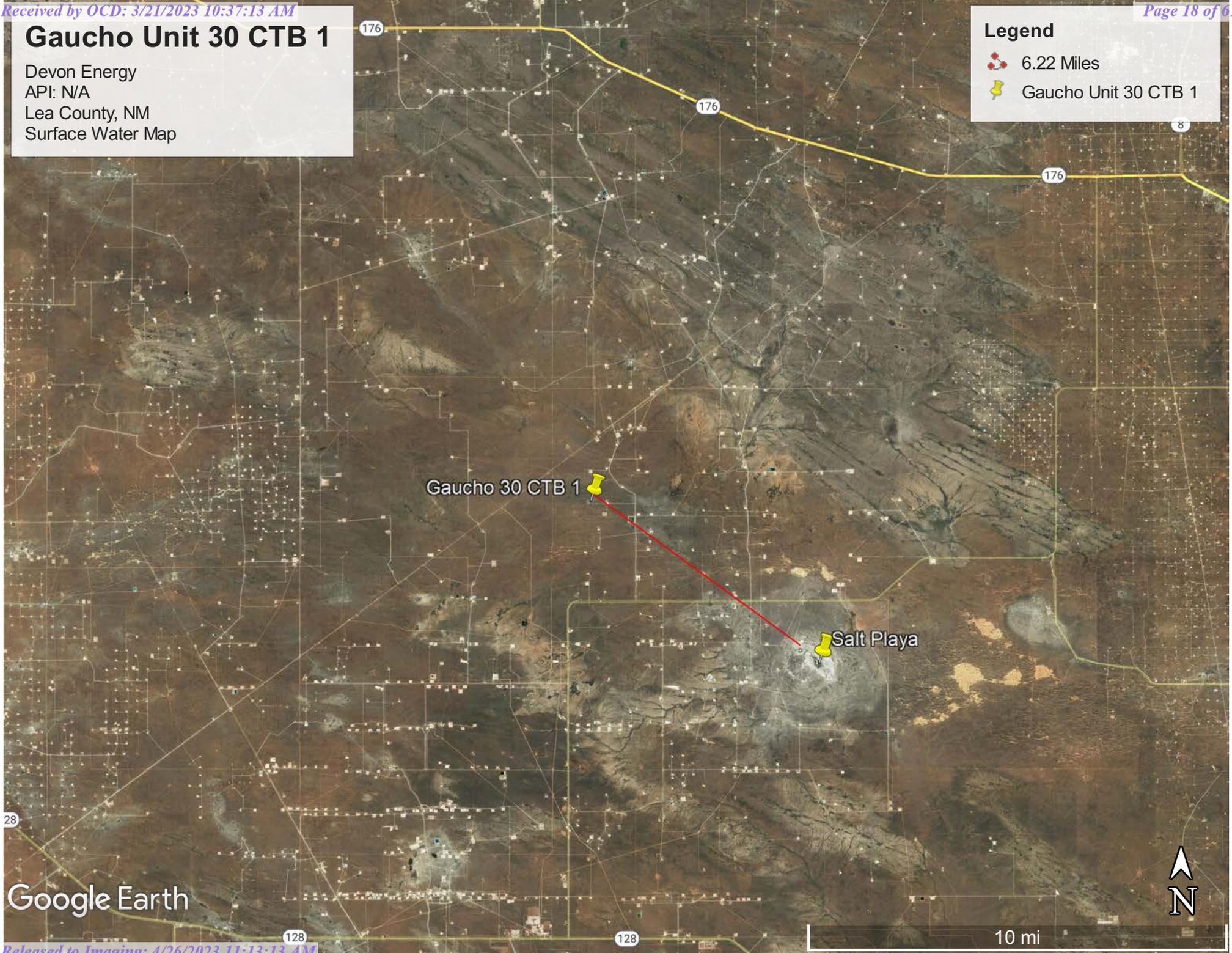
0.56 0.47 nadww01

# Gaucha Unit 30 CTB 1

Devon Energy  
API: N/A  
Lea County, NM  
Surface Water Map

**Legend**

-  6.22 Miles
-  Gaucha Unit 30 CTB 1



Google Earth



10 mi



Pima Environmental Services

**Appendix B**

Soil Survey & Geological Data

FEMA Flood Map

Map Unit Description: Wink fine sand---Lea County, New Mexico

## Lea County, New Mexico

### WF—Wink fine sand

#### Map Unit Setting

*National map unit symbol:* dmrl  
*Elevation:* 2,600 to 4,600 feet  
*Mean annual precipitation:* 10 to 21 inches  
*Mean annual air temperature:* 57 to 63 degrees F  
*Frost-free period:* 185 to 220 days  
*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Wink and similar soils:* 85 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Wink

##### Setting

*Landform:* Depressions  
*Landform position (two-dimensional):* Toeslope  
*Landform position (three-dimensional):* Dip  
*Down-slope shape:* Concave  
*Across-slope shape:* Concave  
*Parent material:* Calcareous sandy alluvium and/or calcareous sandy eolian deposits derived from sedimentary rock

##### Typical profile

*A - 0 to 12 inches:* fine sand  
*Bk - 12 to 23 inches:* sandy loam  
*BCK - 23 to 60 inches:* variable

##### Properties and qualities

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Negligible  
*Capacity of the most limiting layer to transmit water (Ksat):* High (2.00 to 6.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 30 percent  
*Gypsum, maximum content:* 1 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 2.0  
*Available water supply, 0 to 60 inches:* Low (about 4.0 inches)

Map Unit Description: Wink fine sand---Lea County, New Mexico

---

### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group:* A

*Ecological site:* R070BD005NM - Deep Sand

*Hydric soil rating:* No

### Minor Components

#### Jal

*Percent of map unit:* 5 percent

*Ecological site:* R070BC030NM - Limy

*Hydric soil rating:* No

#### Midessa

*Percent of map unit:* 4 percent

*Ecological site:* R070BC007NM - Loamy

*Hydric soil rating:* No

#### Drake

*Percent of map unit:* 3 percent

*Landform:* Playa dunes

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Ecological site:* R077CY026TX - High Lime 16-21" PZ

*Hydric soil rating:* No

#### Kermit

*Percent of map unit:* 3 percent

*Ecological site:* R070BC022NM - Sandhills

*Hydric soil rating:* No

## Data Source Information

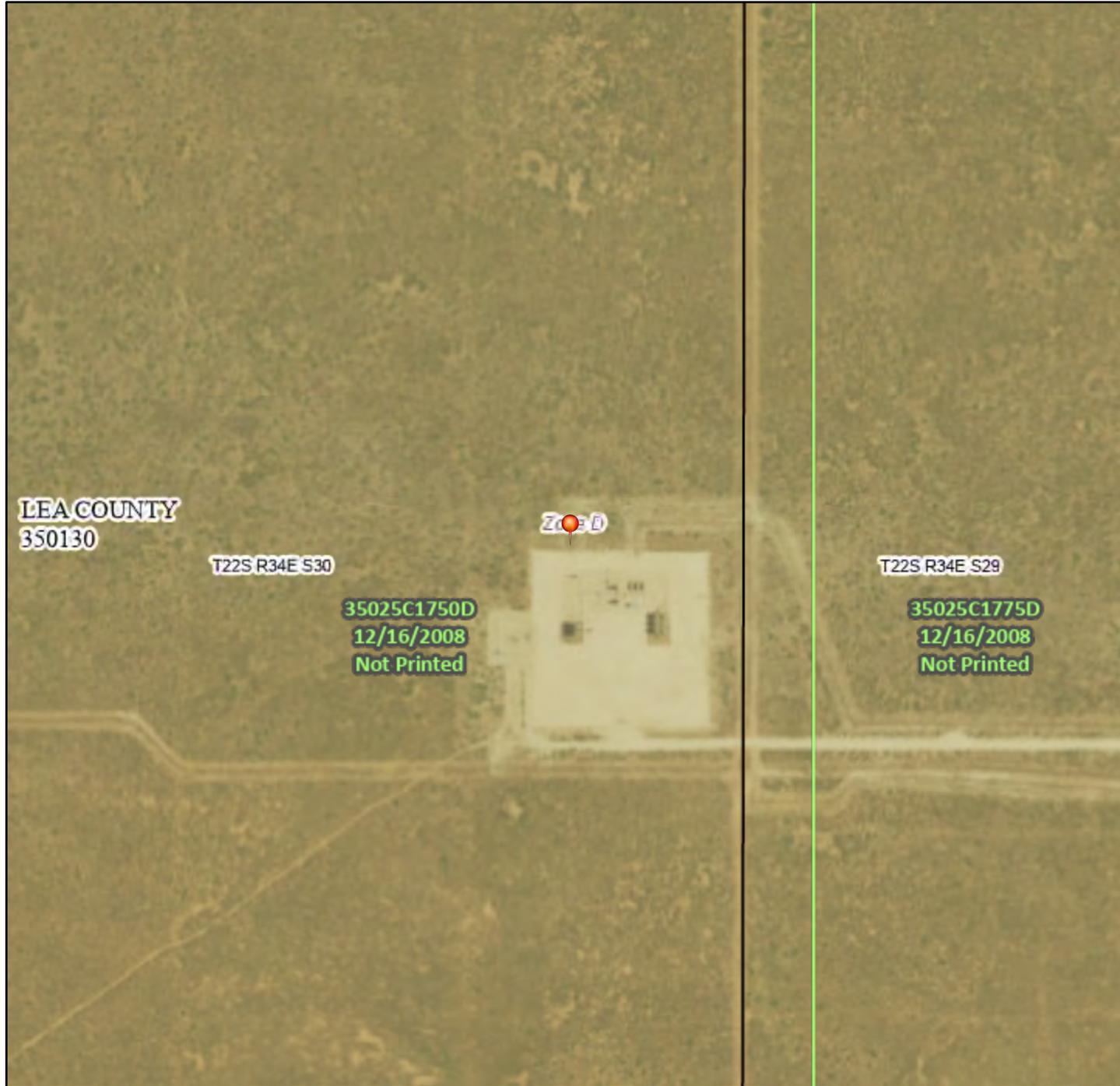
Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 19, Sep 8, 2022

# National Flood Hazard Layer FIRMMette



103°30'27"W 32°21'55"N



## Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
		Area of Undetermined Flood Hazard <i>Zone D</i>

GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



103°29'49"W 32°21'25"N

Released to Imaging: 4/26/2023 10:13:13 AM 1,500 2,000 Feet 1:6,000 Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **11/14/2022 at 3:11 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



Pima Environmental Services

**Appendix C**

C-141 Form

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural  
Resources Department

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Incident ID	nAPP2123141845
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Wesley Mathews	Contact Telephone
Contact email Wesley.Mathews@dvn.com	Incident # (assigned by OCD)
Contact mailing address 6488 Seven Rivers Hwy Artesia, NM 88210	

### Location of Release Source

Latitude 32.360399 Longitude -103.501803  
*(NAD 83 in decimal degrees to 5 decimal places)*

Site Name Gaucho Unit 30 CTB 1	Site Type Oil
Date Release Discovered 08/06/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
I	30	22S	34E	Lea

Surface Owner:  State  Federal  Tribal  Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 2.46 BBLS	Volume Recovered (bbls) 2.46 BBLS
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 6 BBLS	Volume Recovered (bbls) 3 BBLS
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Water line developed a leak.

State of New Mexico  
Oil Conservation Division

Page 2

Incident ID	nAPP2123141845
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:  <b>Spill was not in containment.</b>
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
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.
Printed Name: <u>Kendra DeHoyo</u> Title: <u>EHS Associate</u> Signature: <u>Kendra DeHoyos</u> Date: <u>8/19/2021</u> email: <u>Kendra.DeHoyos@dvn.com</u> Telephone: <u>575-748-0167</u>
<b><u>OCD Only</u></b> Received by: <u>Ramona Marcus</u> Date: <u>8/20/2021</u>

NAPP2123141845

<b>Spill Volume(Bbls) Calculator</b>	
<i>Inputs in blue, Outputs in red</i>	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
<u>1753</u>	<u>0.500</u>
Cubic Feet of Soil Impacted	<u>73.042</u>
Barrels of Soil Impacted	<u>13.02</u>
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	<u>1.95</u>
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	1.95
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
<u>1753</u>	<u>0.250</u>
Standing fluid	<u>6.510</u>
<b>Total fluids spilled</b>	<b>8.463</b>

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
 Action 43260

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 43260
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
marcus	None	8/20/2021

Incident ID	nAPP2123141845
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

*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?	___ 605 ___ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

**Characterization Report Checklist:** *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2123141845
District RP	
Facility ID	
Application ID	

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.

Printed Name: Dale Woodall

Title: Env Professional

Signature: Dale Woodall

Date: 11/15/2022

email: dale.woodall@dvn.com

Telephone: 405-318-4697

**OCD Only**

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

Incident ID	nAPP2123141845
District RP	
Facility ID	
Application ID	

## Closure

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 (electronic submittals in .pdf format are preferred) 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.

**Closure Report Attachment Checklist: Each of the following items must be included in the closure report.**

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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.

Printed Name: Dale Woodall Title: EHS Professional

Signature: *Dale Woodall* Date: 11/15/2022

email: dale.woodall@dvn.com Telephone: 405-318-4697

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: *Jennifer Nobui* Date: 04/26/2023

Printed Name: Jennifer Nobui Title: Environmental Specialist A



Pima Environmental Services

## **Appendix D**

Photographic Documentation



**SITE PHOTOGRAPHS  
DEVON ENERGY  
GAUCHO 30 CTB 1**





Pima Environmental Services

## **Appendix E**

Laboratory Reports

Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Pima Environmental Services-Carlsbad

Project Name: Gaucho 30 CTB 1

Work Order: E207084

Job Number: 01058-0007

Received: 7/16/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
7/25/22

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.  
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 7/25/22



Tom Bynum  
PO Box 247  
Plains, TX 79355-0247

Project Name: Gaucho 30 CTB 1  
Workorder: E207084  
Date Received: 7/16/2022 11:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/16/2022 11:15:00AM, under the Project Name: Gaucho 30 CTB 1.

The analytical test results summarized in this report with the Project Name: Gaucho 30 CTB 1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

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

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
SW:1	6
SW:2	7
SW:3	8
SW:4	9
S.1:1'	10
S.1:2'	11
S.2:1'	12
S.2:2'	13
S.3:1'	14
S.3:2'	15
S.4:1'	16
S.4:2'	17
BG1	18
BG2	19
QC Summary Data	20
QC - Volatile Organic Compounds by EPA 8260B	20
QC - Nonhalogenated Organics by EPA 8015D - GRO	21
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	22
QC - Anions by EPA 300.0/9056A	23
Definitions and Notes	24

## Table of Contents (continued)

Chain of Custody etc.

25

### Sample Summary

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Gaucho 30 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 07/25/22 16:46
---	---	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW:1	E207084-01A	Soil	07/14/22	07/16/22	Glass Jar, 4 oz.
SW:2	E207084-02A	Soil	07/14/22	07/16/22	Glass Jar, 4 oz.
SW:3	E207084-03A	Soil	07/14/22	07/16/22	Glass Jar, 4 oz.
SW:4	E207084-04A	Soil	07/14/22	07/16/22	Glass Jar, 4 oz.
S.1:1'	E207084-05A	Soil	07/14/22	07/16/22	Glass Jar, 4 oz.
S.1:2'	E207084-06A	Soil	07/14/22	07/16/22	Glass Jar, 4 oz.
S.2:1'	E207084-07A	Soil	07/14/22	07/16/22	Glass Jar, 4 oz.
S.2:2'	E207084-08A	Soil	07/14/22	07/16/22	Glass Jar, 4 oz.
S.3:1'	E207084-09A	Soil	07/14/22	07/16/22	Glass Jar, 4 oz.
S.3:2'	E207084-10A	Soil	07/14/22	07/16/22	Glass Jar, 4 oz.
S.4:1'	E207084-11A	Soil	07/14/22	07/16/22	Glass Jar, 4 oz.
S.4:2'	E207084-12A	Soil	07/14/22	07/16/22	Glass Jar, 4 oz.
BG1	E207084-13A	Soil	07/14/22	07/16/22	Glass Jar, 4 oz.
BG2	E207084-14A	Soil	07/14/22	07/16/22	Glass Jar, 4 oz.

### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Gaucho 30 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/25/2022 4:46:12PM
---	---	---

**SW:1**  
**E207084-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: IY	Batch: 2230050	
Benzene	ND	0.0250	1	07/20/22	07/21/22	
Ethylbenzene	ND	0.0250	1	07/20/22	07/21/22	
Toluene	ND	0.0250	1	07/20/22	07/21/22	
o-Xylene	ND	0.0250	1	07/20/22	07/21/22	
p,m-Xylene	ND	0.0500	1	07/20/22	07/21/22	
Total Xylenes	ND	0.0250	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>	96.6 %	70-130		07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	104 %	70-130		07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>	92.6 %	70-130		07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: IY	Batch: 2230050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>	96.6 %	70-130		07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	104 %	70-130		07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>	92.6 %	70-130		07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: JL	Batch: 2230041	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/22	07/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/22	07/21/22	
<i>Surrogate: n-Nonane</i>	117 %	50-200		07/19/22	07/21/22	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: RAS	Batch: 2230032	
Chloride	ND	20.0	1	07/19/22	07/20/22	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Gaucho 30 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/25/2022 4:46:12PM
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**SW:2**

**E207084-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Benzene	ND	0.0250	1	07/20/22	07/21/22	
Ethylbenzene	ND	0.0250	1	07/20/22	07/21/22	
Toluene	ND	0.0250	1	07/20/22	07/21/22	
o-Xylene	ND	0.0250	1	07/20/22	07/21/22	
p,m-Xylene	ND	0.0500	1	07/20/22	07/21/22	
Total Xylenes	ND	0.0250	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		96.0 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		94.2 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		96.0 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		94.2 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2230041
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/22	07/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/22	07/21/22	
<i>Surrogate: n-Nonane</i>		114 %	50-200	07/19/22	07/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2230032
Chloride	ND	20.0	1	07/19/22	07/20/22	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Gaucho 30 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/25/2022 4:46:12PM
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**SW:3**

**E207084-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Benzene	ND	0.0250	1	07/20/22	07/21/22	
Ethylbenzene	ND	0.0250	1	07/20/22	07/21/22	
Toluene	ND	0.0250	1	07/20/22	07/21/22	
o-Xylene	ND	0.0250	1	07/20/22	07/21/22	
p,m-Xylene	ND	0.0500	1	07/20/22	07/21/22	
Total Xylenes	ND	0.0250	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		97.4 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		93.1 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		97.4 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		93.1 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2230041
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/22	07/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/22	07/21/22	
<i>Surrogate: n-Nonane</i>		116 %	50-200	07/19/22	07/21/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2230032
Chloride	ND	20.0	1	07/19/22	07/20/22	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Gaucho 30 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/25/2022 4:46:12PM
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SW:4

E207084-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Benzene	ND	0.0250	1	07/20/22	07/21/22	
Ethylbenzene	ND	0.0250	1	07/20/22	07/21/22	
Toluene	ND	0.0250	1	07/20/22	07/21/22	
o-Xylene	ND	0.0250	1	07/20/22	07/21/22	
p,m-Xylene	ND	0.0500	1	07/20/22	07/21/22	
Total Xylenes	ND	0.0250	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		95.2 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		94.0 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		95.2 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		94.0 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2230041
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/22	07/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/22	07/21/22	
<i>Surrogate: n-Nonane</i>		114 %	50-200	07/19/22	07/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2230032
Chloride	ND	20.0	1	07/19/22	07/20/22	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Gaucho 30 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/25/2022 4:46:12PM
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S.1:1'

E207084-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Benzene	ND	0.0250	1	07/20/22	07/21/22	
Ethylbenzene	ND	0.0250	1	07/20/22	07/21/22	
Toluene	ND	0.0250	1	07/20/22	07/21/22	
o-Xylene	ND	0.0250	1	07/20/22	07/21/22	
p,m-Xylene	ND	0.0500	1	07/20/22	07/21/22	
Total Xylenes	ND	0.0250	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		96.5 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		94.2 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		96.5 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		94.2 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2230041
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/22	07/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/22	07/21/22	
<i>Surrogate: n-Nonane</i>		108 %	50-200	07/19/22	07/21/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2230032
Chloride	ND	20.0	1	07/19/22	07/20/22	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Gaucho 30 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/25/2022 4:46:12PM
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S.1:2'

E207084-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Benzene	ND	0.0250	1	07/20/22	07/21/22	
Ethylbenzene	ND	0.0250	1	07/20/22	07/21/22	
Toluene	ND	0.0250	1	07/20/22	07/21/22	
o-Xylene	ND	0.0250	1	07/20/22	07/21/22	
p,m-Xylene	ND	0.0500	1	07/20/22	07/21/22	
Total Xylenes	ND	0.0250	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		94.9 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		94.0 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		94.9 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		94.0 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2230041
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/22	07/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/22	07/21/22	
<i>Surrogate: n-Nonane</i>		122 %	50-200	07/19/22	07/21/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2230032
Chloride	ND	20.0	1	07/19/22	07/20/22	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Gaucho 30 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/25/2022 4:46:12PM
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S.2:1'

E207084-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Benzene	ND	0.0250	1	07/20/22	07/21/22	
Ethylbenzene	ND	0.0250	1	07/20/22	07/21/22	
Toluene	ND	0.0250	1	07/20/22	07/21/22	
o-Xylene	ND	0.0250	1	07/20/22	07/21/22	
p,m-Xylene	ND	0.0500	1	07/20/22	07/21/22	
Total Xylenes	ND	0.0250	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		92.1 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		92.1 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2230041
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/22	07/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/22	07/21/22	
<i>Surrogate: n-Nonane</i>		118 %	50-200	07/19/22	07/21/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2230032
Chloride	ND	20.0	1	07/19/22	07/20/22	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Gaucho 30 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/25/2022 4:46:12PM
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**S.2:2'**

**E207084-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Benzene	ND	0.0250	1	07/20/22	07/21/22	
Ethylbenzene	ND	0.0250	1	07/20/22	07/21/22	
Toluene	ND	0.0250	1	07/20/22	07/21/22	
o-Xylene	ND	0.0250	1	07/20/22	07/21/22	
p,m-Xylene	ND	0.0500	1	07/20/22	07/21/22	
Total Xylenes	ND	0.0250	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		96.6 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		93.3 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		96.6 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		93.3 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2230041
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/22	07/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/22	07/21/22	
<i>Surrogate: n-Nonane</i>		115 %	50-200	07/19/22	07/21/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2230032
Chloride	ND	20.0	1	07/19/22	07/20/22	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Gaucho 30 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/25/2022 4:46:12PM
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**S.3:1'**

**E207084-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Benzene	ND	0.0250	1	07/20/22	07/21/22	
Ethylbenzene	ND	0.0250	1	07/20/22	07/21/22	
Toluene	ND	0.0250	1	07/20/22	07/21/22	
o-Xylene	ND	0.0250	1	07/20/22	07/21/22	
p,m-Xylene	ND	0.0500	1	07/20/22	07/21/22	
Total Xylenes	ND	0.0250	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		111 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		93.0 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		111 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		93.0 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2230041
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/22	07/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/22	07/21/22	
<i>Surrogate: n-Nonane</i>		115 %	50-200	07/19/22	07/21/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2230032
Chloride	ND	20.0	1	07/19/22	07/20/22	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Gaucho 30 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/25/2022 4:46:12PM
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**S.3:2'**

**E207084-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Benzene	ND	0.0250	1	07/20/22	07/21/22	
Ethylbenzene	ND	0.0250	1	07/20/22	07/21/22	
Toluene	ND	0.0250	1	07/20/22	07/21/22	
o-Xylene	ND	0.0250	1	07/20/22	07/21/22	
p,m-Xylene	ND	0.0500	1	07/20/22	07/21/22	
Total Xylenes	ND	0.0250	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		92.9 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		111 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		93.7 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		92.9 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		111 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		93.7 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2230041
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/22	07/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/22	07/21/22	
<i>Surrogate: n-Nonane</i>		115 %	50-200	07/19/22	07/21/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2230032
Chloride	ND	20.0	1	07/19/22	07/20/22	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Gaucho 30 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/25/2022 4:46:12PM
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S.4:1'

E207084-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Benzene	ND	0.0250	1	07/20/22	07/21/22	
Ethylbenzene	ND	0.0250	1	07/20/22	07/21/22	
Toluene	ND	0.0250	1	07/20/22	07/21/22	
o-Xylene	ND	0.0250	1	07/20/22	07/21/22	
p,m-Xylene	ND	0.0500	1	07/20/22	07/21/22	
Total Xylenes	ND	0.0250	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		92.7 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		112 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		94.0 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		92.7 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		112 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		94.0 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2230041
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/22	07/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/22	07/21/22	
<i>Surrogate: n-Nonane</i>		114 %	50-200	07/19/22	07/21/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2230032
Chloride	ND	20.0	1	07/19/22	07/20/22	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Gaucho 30 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/25/2022 4:46:12PM
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S.4:2'

E207084-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Benzene	ND	0.0250	1	07/20/22	07/21/22	
Ethylbenzene	ND	0.0250	1	07/20/22	07/21/22	
Toluene	ND	0.0250	1	07/20/22	07/21/22	
o-Xylene	ND	0.0250	1	07/20/22	07/21/22	
p,m-Xylene	ND	0.0500	1	07/20/22	07/21/22	
Total Xylenes	ND	0.0250	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		95.1 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		112 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		92.0 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		95.1 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		112 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		92.0 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2230041
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/22	07/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/22	07/21/22	
<i>Surrogate: n-Nonane</i>		115 %	50-200	07/19/22	07/21/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2230032
Chloride	ND	20.0	1	07/19/22	07/20/22	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Gaucho 30 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/25/2022 4:46:12PM
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**BG1**

**E207084-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Benzene	ND	0.0250	1	07/20/22	07/21/22	
Ethylbenzene	ND	0.0250	1	07/20/22	07/21/22	
Toluene	ND	0.0250	1	07/20/22	07/21/22	
o-Xylene	ND	0.0250	1	07/20/22	07/21/22	
p,m-Xylene	ND	0.0500	1	07/20/22	07/21/22	
Total Xylenes	ND	0.0250	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		94.2 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		113 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		93.5 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		94.2 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		113 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		93.5 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2230041
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/22	07/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/22	07/21/22	
<i>Surrogate: n-Nonane</i>		115 %	50-200	07/19/22	07/21/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2230032
Chloride	ND	20.0	1	07/19/22	07/21/22	



### Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Gaucho 30 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/25/2022 4:46:12PM
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**BG2**

**E207084-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Benzene	ND	0.0250	1	07/20/22	07/21/22	
Ethylbenzene	ND	0.0250	1	07/20/22	07/21/22	
Toluene	ND	0.0250	1	07/20/22	07/21/22	
o-Xylene	ND	0.0250	1	07/20/22	07/21/22	
p,m-Xylene	ND	0.0500	1	07/20/22	07/21/22	
Total Xylenes	ND	0.0250	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		92.5 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		110 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		90.7 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2230050
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/20/22	07/21/22	
<i>Surrogate: Bromofluorobenzene</i>		92.5 %	70-130	07/20/22	07/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		110 %	70-130	07/20/22	07/21/22	
<i>Surrogate: Toluene-d8</i>		90.7 %	70-130	07/20/22	07/21/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2230041
Diesel Range Organics (C10-C28)	ND	25.0	1	07/19/22	07/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/19/22	07/21/22	
<i>Surrogate: n-Nonane</i>		115 %	50-200	07/19/22	07/21/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2230032
Chloride	ND	20.0	1	07/19/22	07/21/22	



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Gaucho 30 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/25/2022 4:46:12PM
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#### Volatile Organic Compounds by EPA 8260B

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 (2230050-BLK1)

Prepared: 07/19/22 Analyzed: 07/21/22

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							
<i>Surrogate: Bromofluorobenzene</i>	0.481		0.500		96.2	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.530		0.500		106	70-130			
<i>Surrogate: Toluene-d8</i>	0.470		0.500		93.9	70-130			

#### LCS (2230050-BS1)

Prepared: 07/19/22 Analyzed: 07/21/22

Benzene	2.22	0.0250	2.50		88.7	70-130			
Ethylbenzene	2.21	0.0250	2.50		88.5	70-130			
Toluene	2.19	0.0250	2.50		87.4	70-130			
o-Xylene	2.31	0.0250	2.50		92.4	70-130			
p,m-Xylene	4.50	0.0500	5.00		90.0	70-130			
Total Xylenes	6.81	0.0250	7.50		90.8	70-130			
<i>Surrogate: Bromofluorobenzene</i>	0.509		0.500		102	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.515		0.500		103	70-130			
<i>Surrogate: Toluene-d8</i>	0.492		0.500		98.3	70-130			

#### LCS Dup (2230050-BSD1)

Prepared: 07/19/22 Analyzed: 07/21/22

Benzene	2.26	0.0250	2.50		90.3	70-130	1.77	23	
Ethylbenzene	2.21	0.0250	2.50		88.6	70-130	0.0678	27	
Toluene	2.18	0.0250	2.50		87.3	70-130	0.137	24	
o-Xylene	2.31	0.0250	2.50		92.4	70-130	0.0433	27	
p,m-Xylene	4.47	0.0500	5.00		89.5	70-130	0.557	27	
Total Xylenes	6.78	0.0250	7.50		90.5	70-130	0.382	27	
<i>Surrogate: Bromofluorobenzene</i>	0.502		0.500		100	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.513		0.500		103	70-130			
<i>Surrogate: Toluene-d8</i>	0.491		0.500		98.2	70-130			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Gaucho 30 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/25/2022 4:46:12PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2230050-BLK1)**

Prepared: 07/19/22 Analyzed: 07/21/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.481		0.500		96.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.530		0.500		106	70-130			
Surrogate: Toluene-d8	0.470		0.500		93.9	70-130			

**LCS (2230050-BS2)**

Prepared: 07/19/22 Analyzed: 07/21/22

Gasoline Range Organics (C6-C10)	39.2	20.0	50.0		78.5	70-130			
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.7	70-130			

**LCS Dup (2230050-BSD2)**

Prepared: 07/19/22 Analyzed: 07/21/22

Gasoline Range Organics (C6-C10)	44.5	20.0	50.0		89.0	70-130	12.6	20	
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.2	70-130			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Gaucho 30 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/25/2022 4:46:12PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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 (2230041-BLK1)**

Prepared: 07/19/22 Analyzed: 07/20/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.9		50.0		112	50-200			

**LCS (2230041-BS1)**

Prepared: 07/19/22 Analyzed: 07/20/22

Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
Surrogate: n-Nonane	56.0		50.0		112	50-200			

**Matrix Spike (2230041-MS1)**

Source: E207084-10

Prepared: 07/19/22 Analyzed: 07/21/22

Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.5	38-132			
Surrogate: n-Nonane	48.6		50.0		97.3	50-200			

**Matrix Spike Dup (2230041-MSD1)**

Source: E207084-10

Prepared: 07/19/22 Analyzed: 07/21/22

Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132	15.9	20	
Surrogate: n-Nonane	58.3		50.0		117	50-200			



### QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Gaucho 30 CTB 1 Project Number: 01058-0007 Project Manager: Tom Bynum	<b>Reported:</b> 7/25/2022 4:46:12PM
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#### Anions by EPA 300.0/9056A

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 (2230032-BLK1)**

Prepared: 07/19/22 Analyzed: 07/20/22

Chloride ND 20.0

**LCS (2230032-BS1)**

Prepared: 07/19/22 Analyzed: 07/20/22

Chloride 250 20.0 250 99.9 90-110

**Matrix Spike (2230032-MS1)**

Source: E207084-01

Prepared: 07/19/22 Analyzed: 07/20/22

Chloride 260 20.0 250 ND 104 80-120

**Matrix Spike Dup (2230032-MSD1)**

Source: E207084-01

Prepared: 07/19/22 Analyzed: 07/20/22

Chloride 258 20.0 250 ND 103 80-120 0.781 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

Pima Environmental Services-Carlsbad	Project Name:	Gaucho 30 CTB 1	
PO Box 247	Project Number:	01058-0007	<b>Reported:</b>
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/25/22 16:46

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



<b>Client: Pima Environmental Services</b> <b>Project: CAUCHO 3D CTB 1</b> <b>Project Manager: Tom Bynum</b> <b>Address: 5614 N. Lovington Hwy.</b> <b>City, State, Zip Hobbs, NM, 88240</b> <b>Phone: 580-748-1613</b> <b>Email: tom@pimaoil.com</b> <b>Report due by:</b>		<b>Bill To</b> <b>Attention: Devon Energy</b> <b>Address:</b> <b>City, State, Zip</b> <b>Phone:</b> <b>Email:</b> <b>Pima Project # 163</b>		<b>Lab Use Only</b> <b>Lab WO# E207084</b> <b>Job Number 0058-0007</b> <b>Analysis and Method</b>		<b>TAT</b> <b>1D</b> <b>2D</b> <b>3D</b> <b>Standard</b> X			<b>EPA Program</b> <b>CWA</b> <b>SDWA</b> <b>RCRA</b>	
						<b>State</b> <b>NM</b> <b>CO</b> <b>UT</b> <b>AZ</b> <b>TX</b> X				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
11:00	7/14/22	S		SW:1	1							X		
11:05				SW:2	2									
11:10				SW:3	3									
11:15				SW:4	4									
11:20				S.1:1'	5									
11:25				S.1:2'	6									
11:30				S.2:1'	7									
11:35				S.2:2'	8									
11:40				S.3:1'	9									
11:45				S.3:2'	10									

**Additional Instructions:** DEVON # 120967253

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

Relinquished by: (Signature) <u>Aliandra Sanders</u>	Date <u>7/15/22</u>	Time <u>2:40</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>7/15/22</u>	Time <u>2:41</u>	<b>Lab Use Only</b> <b>Received on ice:</b> <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <b>T1</b> <b>T2</b> <b>T3</b> <b>AVG Temp °C</b> <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>7-15-22</u>	Time <u>4:15</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>7/16/22</u>	Time <u>11:15</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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



<b>Client:</b> Pima Environmental Services <b>Project:</b> GARDEN RD CTR 1 <b>Project Manager:</b> Tom Bynum <b>Address:</b> 5614 N. Lovington Hwy. <b>City, State, Zip:</b> Hobbs, NM, 88240 <b>Phone:</b> 580-748-1613 <b>Email:</b> tom@pimaoil.com <b>Report due by:</b>		<b>Bill To</b> <b>Attention:</b> Devon Energy <b>Address:</b> <b>City, State, Zip:</b> <b>Phone:</b> <b>Email:</b> <b>Pima Project #</b> 1163		<b>Lab Use Only</b> <b>Lab WO#</b> E207084 <b>Job Number</b> 01058-0007		<b>TAT</b> 1D 2D 3D Standard X			<b>EPA Program</b> CWA SDWA RCRA	
				<b>Analysis and Method</b> DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NIM BGDOC TX		<b>State</b> NM CO UT AZ TX X				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NIM	BGDOC TX	Remarks
11:50	7/14/22	S		S.4:1'	11							X		
11:55				S.4:2'	12									
12:00				BG1	13									
12:05				BG2	14									

**Additional Instructions:** Devon # 209167253

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

Relinquished by: (Signature) <i>Alexandra Sanders</i>	Date 7/15/22	Time 2:40	Received by: (Signature) <i>[Signature]</i>	Date 7-15-22	Time 2:41	<b>Lab Use Only</b> Received on ice: <input checked="" type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>[Signature]</i>	Date 7-15-22	Time 2:15	Received by: (Signature) <i>[Signature]</i>	Date 7/15/22	Time 11:15	
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 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



Envirotech Analytical Laboratory

Printed: 7/18/2022 9:55:45AM

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: Pima Environmental Services-Carlsbad	Date Received: 07/16/22 11:15	Work Order ID: E207084
Phone: (575) 631-6977	Date Logged In: 07/15/22 17:53	Logged In By: Alexa Michaels
Email: tom@pimaoil.com	Due Date: 07/22/22 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

Carrier: UPS

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

**Comments/Resolution**

**Sample Turn Around Time (TAT)**

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

**Sample Cooler**

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

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

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

**Sample Container**

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

**Field Label**

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

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 199262

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 199262
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	4/26/2023