Received by OCD: 3/20/2023 2:37:13 PM Form C-141 State of New Mexico

Page 3

Oil Conservation Division

	Page 1 of .	54
Incident ID	NRM2003146585	
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?	<u>&lt;50</u> (ft bgs)					
Did this release impact groundwater or surface water?	Yes X No					
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?						
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🗶 No					
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🗴 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?	🗌 Yes 📐 No					
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes X No					
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🗶 No					
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No					
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes д No					
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes д No					
Are the lateral extents of the release within a 100-year floodplain?	Yes X No					
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	🗌 Yes 🕅 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.

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

Received by OCD: 3/20/2023	2:37:13 PM State of New Mexico			Page 2 of
			Incident ID	NRM2003146585
Page 4	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
public health or the environmen failed to adequately investigate	dall	OCD does not relieve reat to groundwater, su f responsibility for con 	the operator of liability sho urface water, human health mpliance with any other feo mental Professional	ould their operations have or the environment. In deral, state, or local laws
OCD Only Received by: Jocelyn H			03/20/2023	

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Oil Conservation Division

Incident ID	NRM2003146585
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# 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. X A scaled site and sampling diagram as described in 19.15.29.11 NMAC x 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) X Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) **k** 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: Environmental Professional Signature: Dale Woodall Date: 3/20/2023 Telephone: 575-748-1838 email: dale.woodall@dvn.com **OCD Only** Received by: Jocelyn Harimon Date: 03/20/2023 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:



March 16, 2023

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

Re:	Site Assessment, Liner Inspection, and Closure Report
	Big Cat 16 CTB 9
	API No. N/A
	GPS: Latitude 32.30098 Longitude -103.6807
	UL N, Sec. 16, T23S, R32E
	Lea County, NM
	NMOCD Ref. No. NRM2003146585

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment, remediation activities, and submit this closure report for a crude oil release that occurred at the Big Cat 16 CTB 9 (Big Cat). The initial C-141 was submitted on November 11, 2019 (Appendix C). This incident was assigned Incident ID NRM2003146585 by the New Mexico Oil Conservation Division (NMOCD).

#### Site Characterization

The Big Cat is located approximately twenty-seven (27) miles southwest of Eunice, NM. This spill site is in Unit N, Section 16, Township 23S, Range 32E, Latitude 32.30098 Longitude -103.6807, 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. The soil in this area is made up of Kermit-Palomas fine sands, 0 to 12 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is excessively drained. There is a high potential for karst geology to be present around the Big Cat (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 400 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 478 feet BGS. The closest waterway is a Salt Playa is located approximately 14.79 miles to the west of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29								
Depth to Groundwater	Groundwater Constituent & Limits							
(Appendix A)	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene			
<50' (High Karst)	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**

NRM2003146585: On October 27, 2019, a fire was caused by fluid being sent to the flare after the VRT swamped out, when the VRT swamped out it pressured up the tank and caused a release of liquid out of the thief hatch, the released fluids were calculated to be approximately 0.24 barrel (bbl) of produced crude oil from the tank and 2 bbls of crude oil from the flare. No fluid was able to be recovered, due to being on fire under the flare, and the .24 of a bbl was removed during the wash of the containment.

#### **Remediation Activities, Site Assessment, and Soil Sampling Results**

On June 28, 2022, Pima mobilized personnel to the site to begin collecting soil samples from spill area. The laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

6-28-22 Soil Sample Results												
NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50)												
	DEVON ENERGY BIG CAT 16 CTB 9											
Date: 6-28-22 NM Approved Laboratory Results												
Sample ID	Depth (BGS)	BTEX mg/kg										
BG-1	0-6"	ND	ND	ND	ND	ND	0	ND				
BG-2	0-6"	ND	ND	ND	ND	ND	0	ND				
SW-1	0-6"	ND	ND	ND	ND	ND	0	ND				
SW-2	0-6"	ND	ND	ND	ND	ND	0	ND				
SW-3	0-6"	ND	ND	ND	ND	ND	0	ND				
SW-4	0-6"	ND	ND	ND	ND	ND	0	ND				
S-1	1'	ND	ND	ND	ND	ND	0	ND				
S-2	1'	ND	ND	ND	ND	ND	0	ND				
	ND- Analyte Not Detected											

ND- Analyte Not Detected

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

Complete laboratory reports can be found in Appendix E.

#### Site Assessment and Liner Inspection.

On March 10, 2023, after sending the 48-hour Notification (Appendix C) via email, Pima Environmental conducted a liner inspection at this location. We concluded that this liner and containment maintained its integrity and was able to retain the fluids. The Liner Inspection Form and photographic documentation can be found in Appendix D.

#### **Closure Request**

After careful review, Pima requests that this incident, NRM2003146585 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 Liner Inspection Form & Photographic Documentation
- Appendix E Laboratory Reports

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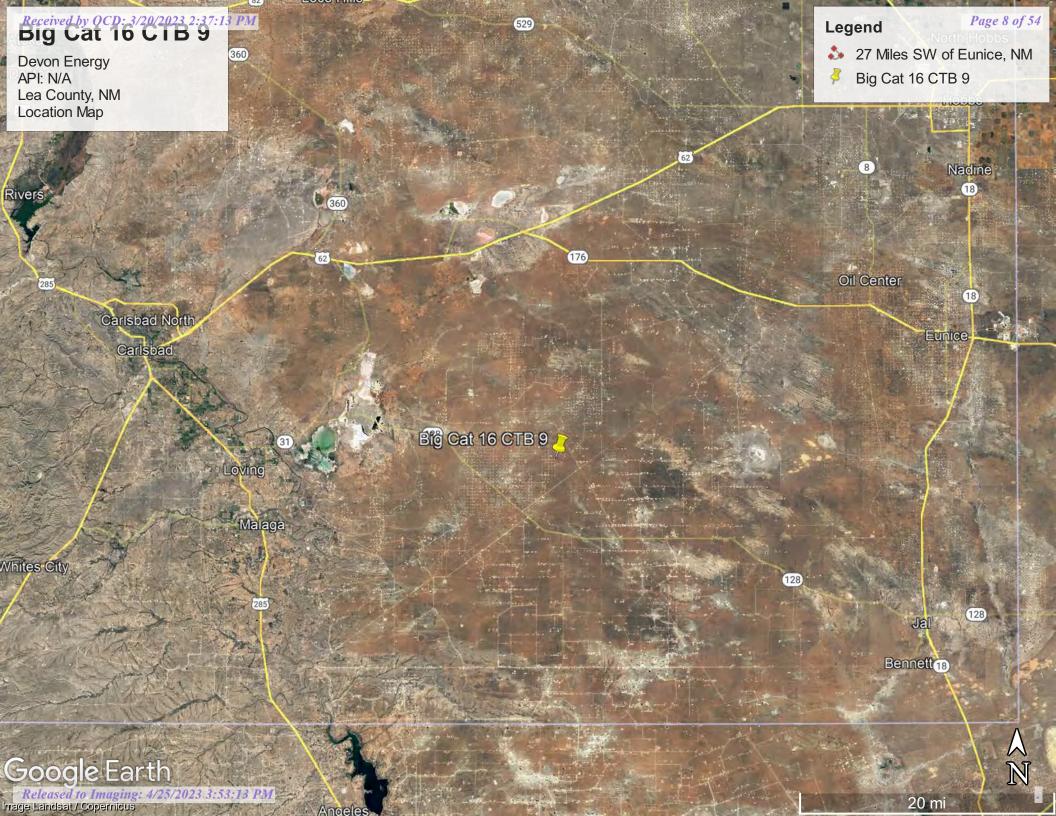
## Figures:

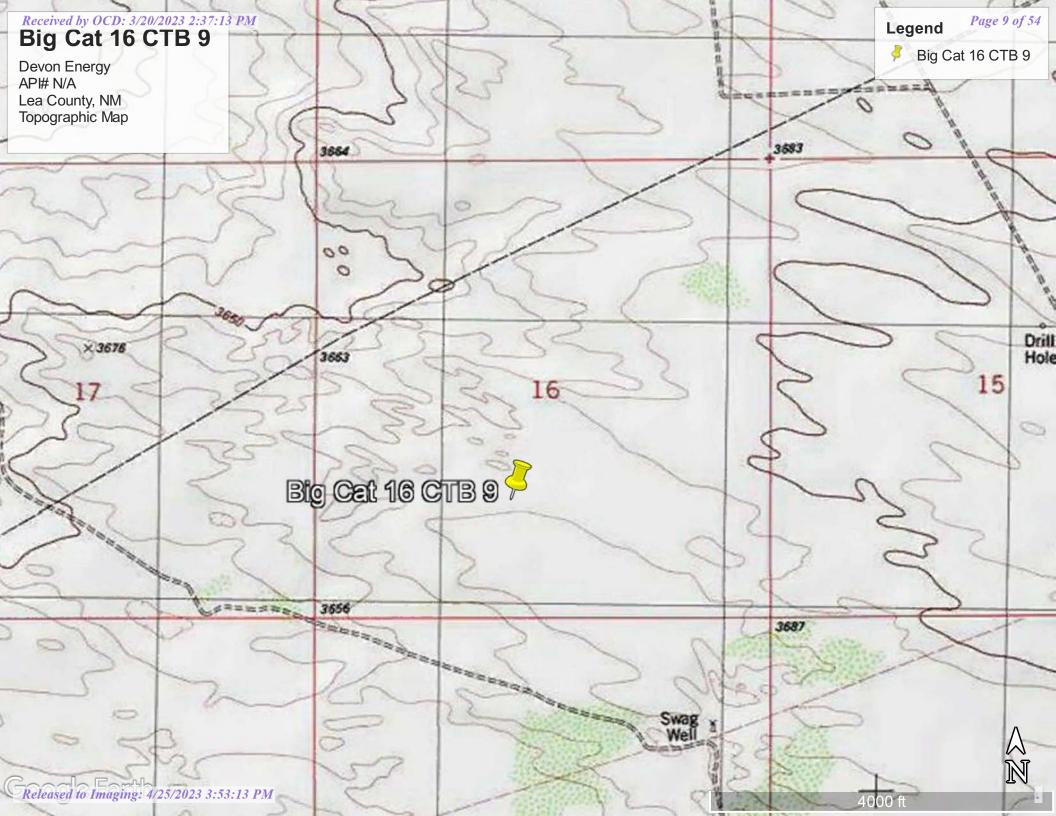
1-Location Map

2-Topographic Map

3-Karst Map

4-Site Map





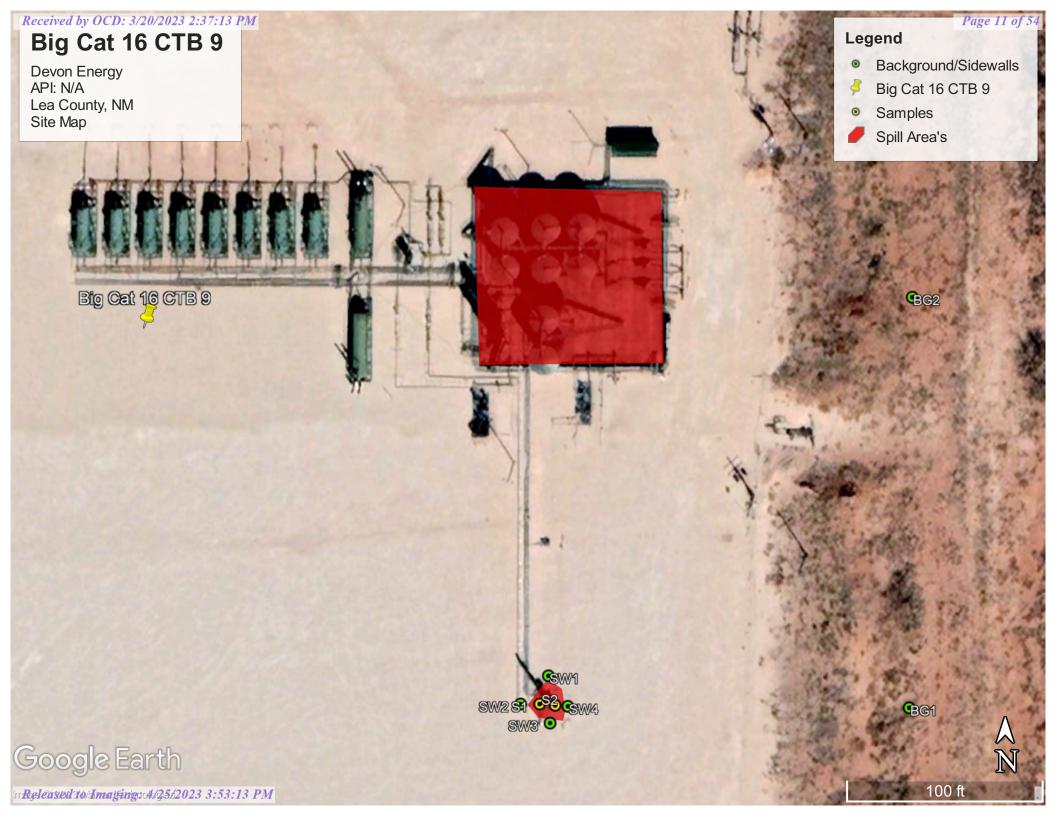
# Received by OCD: 3/20/2023 2:37:13 PM Big Cat 16 CTB 9

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











# 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	(R=POD been rep) O=orpha C=the fil	laced, ned,		(	้สมล	rter	's are	1=NW	/ 2=NF	3=SW 4=S	E)				
water right file.)	closed)	C 18		```					est to la		NAD83 UTM in n	neters)	(In f	feet)	
	,	POD								- / /		,		*	
		Sub-		Q	Q	Q								v	Vater
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	Х	Y	DistanceDe	pthWellDep	thWater Co	olumn
<u>C 02216</u>		CUB	LE	2	2	4	21	23S	32E	625035	3573261* 🌍	1539	585	400	185
<u>C 03851 POD1</u>		CUB	LE	3	3	4	20	23S	32E	622880	3572660 🌍	2321	1392	713	679
<u>C 03529 POD1</u>		С	LE	2	4	3	29	23S	32E	622651	3571212 🌍	3694	550		
<u>C 02349</u>		CUB	ED		2	3	03	23S	32E	625678	3578004* 🌍	3741	525		
											Avera	ge Depth to Wat	er:	556 fe	et
												Minimum De	epth:	400 fe	et
												Maximum De	pth:	713 fe	et
Record Count: 4															
UTMNAD83 Radius	s Search (ii	1 meters	) <u>:</u>												
Easting (X): 624	4211.76		North	ing	(Y)	:	3574	561.51			<b>Radius:</b> 5000				
*UTM location was derived	from PLSS	- see Helj	)												
The data is furnished by the Maccuracy, completeness, reliable										nderstanding	that the OSE/ISC ma	ake no warranties	, expressed or in	nplied, concer	ming the
6/12/22 4:58 DM	<i>,,</i>	,,	,				1 .1-					WATER COI	LUMN/ AVER	AGE DEPT	н то

6/13/22 4:58 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



USGS Home Contact USGS Search USGS

## **National Water Information System: Web Interface**

USGS Water Resources	Data Category:	Geographic Area:	
0505 Water Resources	Groundwater 🗸	United States	✓ G0

## Click to hideNews Bulletins

- Explore the *NEW* <u>USGS National Water Dashboard</u> interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News 🔊

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

# Search Results -- 1 sites found

site\_no list =

• 321732103401701

## **Minimum number of levels =** 1

Save file of selected sites to local disk for future upload

# USGS 321732103401701 23S.32E.21.223444

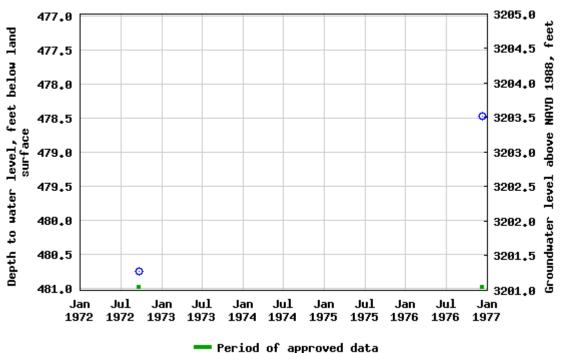
Available data for this site Groundwater: Field measurements V GO

Lea County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°17'32", Longitude 103°40'17" NAD27 Land-surface elevation 3,682 feet above NAVD88 The depth of the well is 550 feet below land surface. This well is completed in the Other aquifers (N99990THER) national aquifer.

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

**Output formats** 





USGS 321732103401701 235,32E,21,223444

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

Download a presentation-quality graph

**Ouestions about sites/data?** Feedback on this web site Automated retrievals Help Data Tips **Explanation of terms** 

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U.S. Department of the Interior | U.S. Geological Survey 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: 2022-06-13 18:55:55 EDT 0.58 0.5 nadww02





# Appendix B

Soil Survey & Geological Data FEMA Flood Map Wetlands Map

# Lea County, New Mexico

#### KD—Kermit-Palomas fine sands, 0 to 12 percent slopes

#### Map Unit Setting

National map unit symbol: dmpv Elevation: 3,000 to 4,400 feet Mean annual precipitation: 10 to 12 inches Mean annual air temperature: 60 to 62 degrees F Frost-free period: 190 to 205 days Farmland classification: Not prime farmland

#### **Map Unit Composition**

Kermit and similar soils: 70 percent Palomas and similar soils: 20 percent Minor components: 10 percent Estimates are based on observations, descriptions, and transects of the mapunit.

#### **Description of Kermit**

#### Setting

Landform: Dunes Landform position (two-dimensional): Shoulder, backslope, footslope Landform position (three-dimensional): Side slope Down-slope shape: Concave, convex, linear Across-slope shape: Convex Parent material: Calcareous sandy eolian deposits derived from sedimentary rock

#### **Typical profile**

A - 0 to 8 inches: fine sand

C - 8 to 60 inches: fine sand

#### **Properties and qualities**

Slope: 3 to 12 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 3.1 inches)

#### Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7e

*Hydrologic Soil Group:* A *Ecological site:* R042XC005NM - Deep Sand *Hydric soil rating:* No

#### **Description of Palomas**

#### Setting

Landform: Dunes Landform position (two-dimensional): Shoulder, backslope, footslope Landform position (three-dimensional): Side slope Down-slope shape: Concave, convex, linear Across-slope shape: Convex Parent material: Alluvium derived from sandstone

#### **Typical profile**

A - 0 to 16 inches: fine sand Bt - 16 to 60 inches: sandy clay loam Bk - 60 to 66 inches: sandy loam

#### **Properties and qualities**

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 50 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: Moderate (about 7.5

inches)

#### Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7e Hydrologic Soil Group: B Ecological site: R042XC003NM - Loamy Sand Hydric soil rating: No

#### **Minor Components**

#### Maljamar

Percent of map unit: 4 percent Ecological site: R042XC003NM - Loamy Sand Hydric soil rating: No

#### Pyote

Percent of map unit: 4 percent

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*Ecological site:* R042XC003NM - Loamy Sand *Hydric soil rating:* No

#### Palomas

Percent of map unit: 1 percent Ecological site: R042XC003NM - Loamy Sand Hydric soil rating: No

#### **Dune land**

*Percent of map unit:* 1 percent *Hydric soil rating:* No

# **Data Source Information**

Soil Survey Area: Lea County, New Mexico Survey Area Data: Version 18, Sep 10, 2021

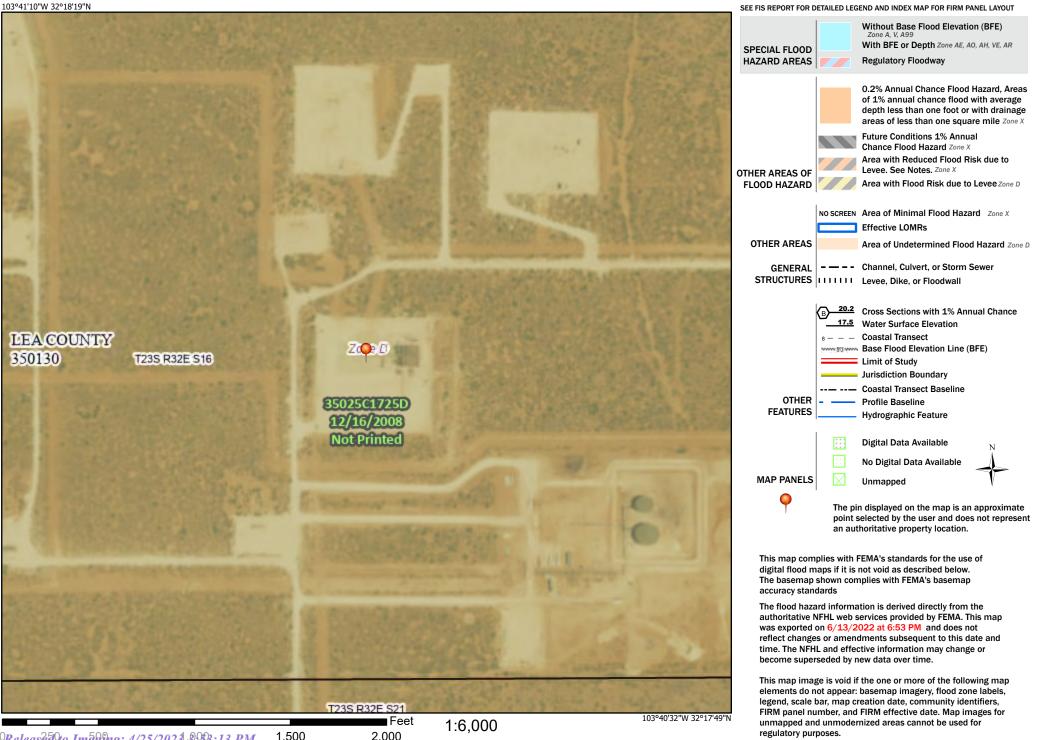


# Received by OCD: 3/20/2023 2:37:13,PM National Flood Hazard Layer FIRMette



## Legend

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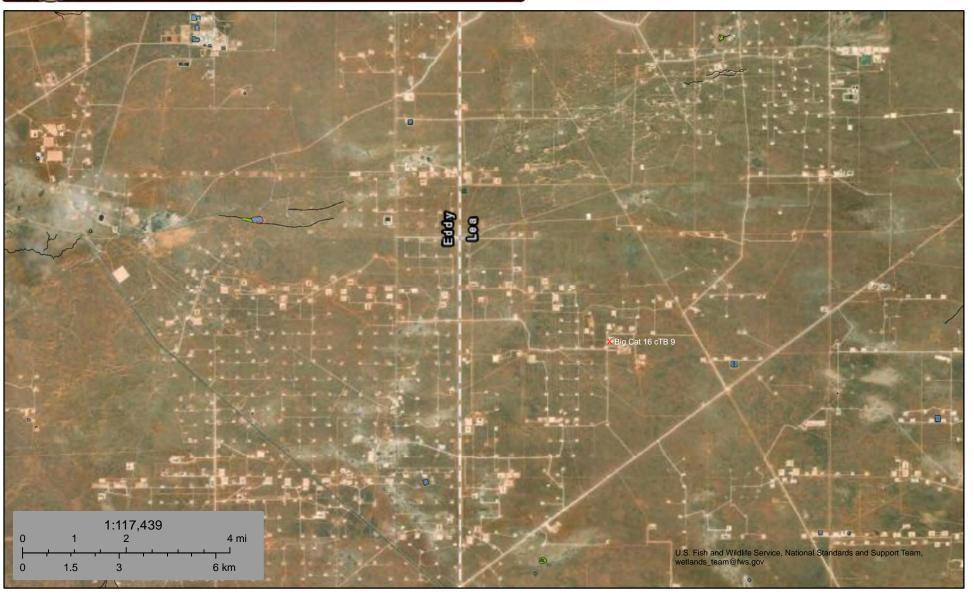
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Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

#### U.S. Fish and Wildlife Service

# National Wetlands Inventory

# Wetlands Map



#### November 21, 2022

#### Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- **Freshwater Pond**

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

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

#### Released to Imaging: 4/25/2023 3:53:13 PM

National Wetlands Inventory (NWI) This page was produced by the NWI mapper



# Appendix C

C-141 Form 48-Hour Notification District I 1625 N. French Dr., Hobbs, NM 88240 District III 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

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

)

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Incident ID	NRM2003146585
District RP	
Facility ID	
Application ID	

# **Release Notification**

## **Responsible Party**

# 9J3H6-191205-C-1410

Responsible Party Devon Energy Production Company	OGRID <sub>6137</sub>
Contact Name Amanda T. Davis	Contact Telephone 575-748-0176
Contact email amanda.davis@dvn.com	Incident # (assigned by OCD)
Contact mailing address 6488 Seven Rivers HWY	

## Location of Release Source

Latitude 32.30098

Longitude -103.6807

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Big Cat 16 CTB 9	Site Type Oil
Date Release Discovered 10/27/2019	API# (if applicable)

Unit Letter	Section	Township	Range	County
Ν	16	23S	32E	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)

Crude Oil	Volume Released (bbls) 2.24	Volume Recovered (bbls) 0
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
overne Approx When which	e was caused by fluid being sent to the flare after th ating. The fire remained centralized at the flare and kimately, 2 bbls was released at the flare. the VRT swamped out it pressured up the tank and ran down the tanks. Approximately, 0.24 bbls was r ed remained on location.	caused a release of liquid out of the thief hatch,

	23 2:37:13 PM State of New Mexic	со		Page 25 0
age 2	Oil Conservation Divi		Incident ID District RP	NRM2003146585
			Facility ID	
			Application ID	
Was this a major	If YES, for what reason(s) does the	ne responsible party consider	r this a major release	?
release as defined by	This is considered a major		-	
19.15.29.7(A) NMAC?				
Yes No				
				1 4 20
	notice given to the OCD? By whom' to blm cfo spill@blm.gov, Ji	-	-	
from Amanda Dav				pins@state.mm.us
	T •			
		tial Response		
The responsibl	le party must undertake the following actions in	mmediately unless they could creat	e a safety hazard that wou	ld result in injury
The source of the re	elease has been stopped.			
	has been secured to protect human he	alth and the environment.		
	have been contained via the use of be		s. or other containme	nt devices.
		inio or unico, accorcent pau	<i>y</i> or other containing	
-	recoverable materials have been rem		ately.	
-			ately.	
If all the actions describ Per 19.15.29.8 B. (4) N has begun, please attack	MAC the responsible party may com h a narrative of actions to date. If re	explain why: mence remediation immedia emedial efforts have been su	ately after discovery ouccessfully completed	d or if the release occurred
If all the actions describ Per 19.15.29.8 B. (4) N has begun, please attack	bed above have <u>not</u> been undertaken, o MAC the responsible party may com	explain why: mence remediation immedia emedial efforts have been su	ately after discovery ouccessfully completed	d or if the release occurred
If all the actions describ Per 19.15.29.8 B. (4) N has begun, please attack within a lined containm I hereby certify that the im regulations all operators at public health or the enviro failed to adequately invest	MAC the responsible party may com h a narrative of actions to date. If re	explain why: mence remediation immedia emedial efforts have been su MAC), please attach all info te to the best of my knowledge ease notifications and perform t by the OCD does not relieve t pose a threat to groundwater, sur	ately after discovery of accessfully completed rmation needed for contract of and understand that put corrective actions for reference of liability of accession of liability of accession of liability of accession of liability of accession	d or if the release occurred losure evaluation. rsuant to OCD rules and eleases which may endanger should their operations have th or the environment. In
If all the actions describ Per 19.15.29.8 B. (4) N has begun, please attack within a lined containm I hereby certify that the in regulations all operators at public health or the enviro failed to adequately invest addition, OCD acceptance and/or regulations.	MAC the responsible party may com h a narrative of actions to date. If re ent area (see 19.15.29.11(A)(5)(a) NI formation given above is true and comple re required to report and/or file certain rel nment. The acceptance of a C-141 report igate and remediate contamination that po- of a C-141 report does not relieve the op	explain why: mence remediation immedia emedial efforts have been su MAC), please attach all info te to the best of my knowledge ease notifications and perform t by the OCD does not relieve t ose a threat to groundwater, sur erator of responsibility for com	ately after discovery of accessfully completed rmation needed for c and understand that pu corrective actions for re- he operator of liability s face water, human heal upliance with any other	d or if the release occurred losure evaluation. rsuant to OCD rules and eleases which may endanger should their operations have th or the environment. In
If all the actions describ Per 19.15.29.8 B. (4) N has begun, please attack within a lined containm I hereby certify that the im regulations all operators at public health or the enviro failed to adequately invest addition, OCD acceptance and/or regulations.	MAC the responsible party may com h a narrative of actions to date. If re ent area (see 19.15.29.11(A)(5)(a) NI formation given above is true and comple re required to report and/or file certain rel nment. The acceptance of a C-141 report igate and remediate contamination that po- of a C-141 report does not relieve the op	explain why: mence remediation immedia emedial efforts have been su MAC), please attach all info te to the best of my knowledge ease notifications and perform t by the OCD does not relieve t ose a threat to groundwater, sur erator of responsibility for com	ately after discovery of uccessfully completed rmation needed for c and understand that pu corrective actions for re- he operator of liability s face water, human heal upliance with any other SSOCIATE	d or if the release occurred losure evaluation. rsuant to OCD rules and eleases which may endanger should their operations have th or the environment. In
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If all the actions describe Per 19.15.29.8 B. (4) N has begun, please attack within a lined containm I hereby certify that the im- regulations all operators and public health or the environ failed to adequately invest addition, OCD acceptance and/or regulations. Printed Name: Kence Signature: Kendra.de	MAC the responsible party may com h a narrative of actions to date. If re ent area (see 19.15.29.11(A)(5)(a) NI formation given above is true and comple re required to report and/or file certain rel nment. The acceptance of a C-141 report igate and remediate contamination that po of a C-141 report does not relieve the op dra DeHoyos hoyos@dvn.com	explain why: mence remediation immedia emedial efforts have been su MAC), please attach all info te to the best of my knowledge ease notifications and perform t by the OCD does not relieve t ose a threat to groundwater, sur erator of responsibility for com Title: EHS A Date: <u>11/11/2</u>	ately after discovery of accessfully completed rmation needed for con- e and understand that pu- corrective actions for re- he operator of liability s- face water, human heal upliance with any other <b>Associate</b> 2019 5-748-3371	d or if the release occurred losure evaluation. rsuant to OCD rules and eleases which may endanger should their operations have th or the environment. In

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Received by OCD: 3/20/2023 2:37:13 PM Form C-141 State of New Mexico

Oil Conservation Division

	Page 26 of 5
Incident ID	NRM2003146585
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?	<u>&lt;50</u> (ft bgs)
Did this release impact groundwater or surface water?	Yes X No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🗶 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)?	🗌 Yes 🗶 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🗴 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?	🗌 Yes 📐 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes X No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🗶 No
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes д No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes д No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🗴 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	🗌 Yes 🕅 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.

- x Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- $\mathbf{x}$  Field data
- x Data table of soil contaminant concentration data
- x Depth to water determination
- x Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- **x** Photographs including date and GIS information
- x 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.

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Received by OCD: 3/20/2023	3 2:37:13 PM State of New Mexico				<b>Page 27 of 54</b>
Form C-141				Incident ID	NRM2003146585
Page 4	Oil Conservation Division			District RP	
				Facility ID	
				Application ID	
regulations all operators are republic health or the environmed failed to adequately investigat addition, OCD acceptance of a and/or regulations. Printed Name: <u>Dale We</u> Signature: <u>Dale We</u> email: <u>dale.woodall@dv</u>	rodall	tifications OCD does reat to grou of responsil Title: Date:	and perform co s not relieve the undwater, surfa bility for compl Environmen 3/20/2023	prrective actions for rele operator of liability sho ce water, human health	ases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only					
Received by:			Date:		

Page 6

Oil Conservation Division

Incident ID	NRM2003146585
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. X A scaled site and sampling diagram as described in 19.15.29.11 NMAC x 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) X Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) **k** 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: Environmental Professional Signature: Dale Woodall Date: 3/20/2023 email: dale.woodall@dvn.com Telephone: 575-748-1838 **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. Title: Environmental Specialist A



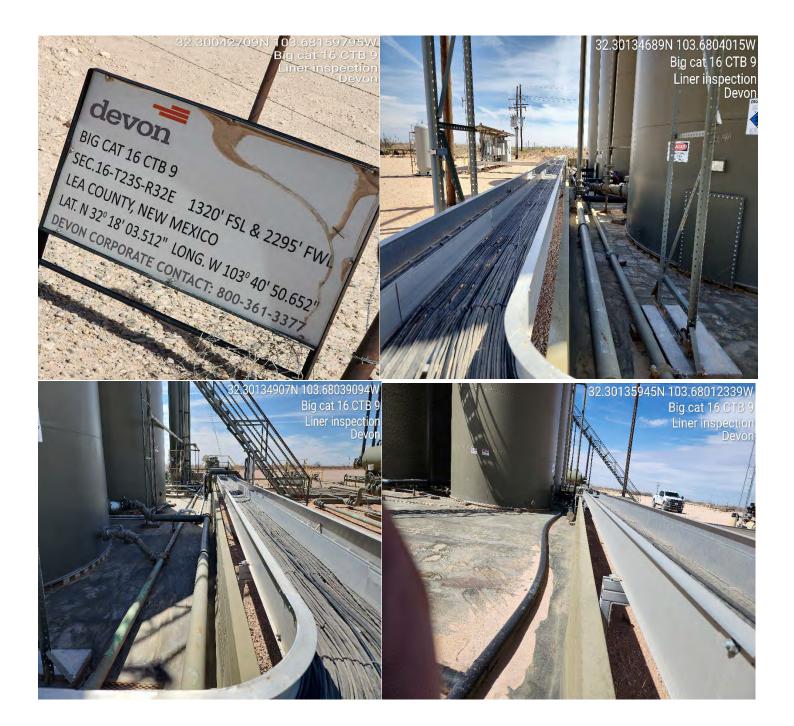
# Appendix D

Photographic Documentation



## SITE PHOTOGRAPHS DEVON ENERGY BIG CAT 16 CTB 9

#### **Liner Inspection**











#### Flare photos





# Appendix E

Laboratory Reports



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

# Pima Environmental Services-Carlsbad

Project Name:

Big Cat 16 CTB 9

Work Order: E206242

Job Number: 01058-0007

Received: 6/30/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/7/22

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: 7/7/22

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Big Cat 16 CTB 9 Workorder: E206242 Date Received: 6/30/2022 11:35:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/30/2022 11:35:00AM, under the Project Name: Big Cat 16 CTB 9.

The analytical test results summarized in this report with the Project Name: Big Cat 16 CTB 9 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman Laboratory Director Office: 505-632-1881 Cell: 775-287-1762 whinchman@envirotech-inc.com

Field Offices:

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services Office: 505-421-LABS(5227)

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com



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Sample	Summary
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		Sample Sum	mary		
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	Big Cat 16 CTB 9 01058-0007 Tom Bynum		<b>Reported:</b> 07/07/22 16:05
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG1	E206242-01A	Soil	06/28/22	06/30/22	Glass Jar, 4 oz.
BG2	E206242-02A	Soil	06/28/22	06/30/22	Glass Jar, 4 oz.
SW-1	E206242-03A	Soil	06/28/22	06/30/22	Glass Jar, 4 oz.
SW-2	E206242-04A	Soil	06/28/22	06/30/22	Glass Jar, 4 oz.
SW-3	E206242-05A	Soil	06/28/22	06/30/22	Glass Jar, 4 oz.
SW-4	E206242-06A	Soil	06/28/22	06/30/22	Glass Jar, 4 oz.
S-1 1'	E206242-07A	Soil	06/28/22	06/30/22	Glass Jar, 4 oz.
S-2 1'	E206242-08A	Soil	06/28/22	06/30/22	Glass Jar, 4 oz.



	D.	ampic D	ala				
Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Numb	•	Cat 16 CTB 9 58-0007			Reported:	
Plains TX, 79355-0247	Project Manag	ger: Tom	Bynum			7/7/2022 4:05:30PM	
		BG1					
		E206242-01					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	Analyst: IY			
Benzene	ND	0.0250	1	07/06/22	07/06/22		
Ethylbenzene	ND	0.0250	1	07/06/22	07/06/22		
Toluene	ND	0.0250	1	07/06/22	07/06/22		
p-Xylene	ND	0.0250	1	07/06/22	07/06/22		
p,m-Xylene	ND	0.0500	1	07/06/22	07/06/22		
Fotal Xylenes	ND	0.0250	1	07/06/22	07/06/22		
urrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	07/06/22	07/06/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2228023	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/06/22	07/06/22		
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	07/06/22	07/06/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2228026	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/06/22	07/07/22		
Dil Range Organics (C28-C36)	ND	50.0	1	07/06/22	07/07/22		
Surrogate: n-Nonane		144 %	50-200	07/06/22	07/07/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2228017	
Chloride	ND	20.0	1	07/06/22	07/07/22		

# Sample Data



	S	ample D	ata			
Pima Environmental Services-Carlsbad PO Box 247	Project Name Project Numb		Cat 16 CTB 9 58-0007			Reported:
Plains TX, 79355-0247	Project Mana	ger: Tom	Bynum			7/7/2022 4:05:30PM
		BG2				
		E206242-02				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2228023
Benzene	ND	0.0250	1	07/06/22	07/06/22	
Ethylbenzene	ND	0.0250	1	07/06/22	07/06/22	
Toluene	ND	0.0250	1	07/06/22	07/06/22	
p-Xylene	ND	0.0250	1	07/06/22	07/06/22	
o,m-Xylene	ND	0.0500	1	07/06/22	07/06/22	
Total Xylenes	ND	0.0250	1	07/06/22	07/06/22	
Surrogate: 4-Bromochlorobenzene-PID		92.7 %	70-130	07/06/22	07/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	Analyst: IY		Batch: 2228023
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/06/22	07/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	07/06/22	07/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2228026
Diesel Range Organics (C10-C28)	ND	25.0	1	07/06/22	07/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	07/06/22	07/07/22	
Surrogate: n-Nonane		141 %	50-200	07/06/22	07/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2228017
Chloride	ND	20.0	1	07/06/22	07/07/22	



### Sample Data

	3	ample D	ata			
Pima Environmental Services-Carlsbad	Project Name	: Big	Cat 16 CTB 9			
PO Box 247	Project Numb	oer: 010	58-0007			Reported:
Plains TX, 79355-0247	Project Manag	ger: Tom	Bynum			7/7/2022 4:05:30PM
		SW-1				
		E206242-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2228023
Benzene	ND	0.0250	1	07/06/22	07/06/22	
Ethylbenzene	ND	0.0250	1	07/06/22	07/06/22	
Toluene	ND	0.0250	1	07/06/22	07/06/22	
p-Xylene	ND	0.0250	1	07/06/22	07/06/22	
o,m-Xylene	ND	0.0500	1	07/06/22	07/06/22	
Fotal Xylenes	ND	0.0250	1	07/06/22	07/06/22	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	07/06/22	07/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: IY		Batch: 2228023
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/06/22	07/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	07/06/22	07/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: JL		Batch: 2228026
Diesel Range Organics (C10-C28)	ND	25.0	1	07/06/22	07/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	07/06/22	07/07/22	
Surrogate: n-Nonane		127 %	50-200	07/06/22	07/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: KL		Batch: 2228017
Chloride	ND	200	10	07/06/22	07/07/22	

	S	ample D	ata			
Pima Environmental Services-Carlsbad PO Box 247	Project Name Project Numb	ber: 0103	Cat 16 CTB 9 58-0007			<b>Reported:</b> 7/7/2022 4:05:30PM
Plains TX, 79355-0247	Project Mana	ger: Iom	Bynum			////2022 4:05:30PM
		SW-2				
		E206242-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY	Batch: 2228023	
Benzene	ND	0.0250	1	07/06/22	07/06/22	
Ethylbenzene	ND	0.0250	1	07/06/22	07/06/22	
Toluene	ND	0.0250	1	07/06/22	07/06/22	
p-Xylene	ND	0.0250	1	07/06/22	07/06/22	
p,m-Xylene	ND	0.0500	1	07/06/22	07/06/22	
Total Xylenes	ND	0.0250	1	07/06/22	07/06/22	
Surrogate: 4-Bromochlorobenzene-PID		91.8 %	70-130	07/06/22	07/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2228023	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/06/22	07/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	07/06/22	07/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2228026
Diesel Range Organics (C10-C28)	ND	25.0	1	07/06/22	07/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/06/22	07/07/22	
Surrogate: n-Nonane		121 %	50-200	07/06/22	07/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2228017
Chloride	ND	200	10	07/06/22	07/07/22	

	3	ample D	ata			
Pima Environmental Services-Carlsbad	Project Name	: Big	Cat 16 CTB 9			
PO Box 247	Project Numb	oer: 0105	58-0007			Reported:
Plains TX, 79355-0247	Project Mana	ger: Tom	n Bynum			7/7/2022 4:05:30PM
		SW-3				
		E206242-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	Batch: 2228023		
Benzene	ND	0.0250	1	07/06/22	07/06/22	
Ethylbenzene	ND	0.0250	1	07/06/22	07/06/22	
Toluene	ND	0.0250	1	07/06/22	07/06/22	
p-Xylene	ND	0.0250	1	07/06/22	07/06/22	
o,m-Xylene	ND	0.0500	1	07/06/22	07/06/22	
Fotal Xylenes	ND	0.0250	1	07/06/22	07/06/22	
Surrogate: 4-Bromochlorobenzene-PID		92.3 %	70-130	07/06/22	07/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: IY		Batch: 2228023
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/06/22	07/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	07/06/22	07/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	:: JL		Batch: 2228026
Diesel Range Organics (C10-C28)	ND	25.0	1	07/06/22	07/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	07/06/22	07/07/22	
Surrogate: n-Nonane		125 %	50-200	07/06/22	07/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: KL		Batch: 2228017
Chloride	ND	200	10	07/06/22	07/07/22	



	3	ample D	ลเล			
Pima Environmental Services-Carlsbad	Project Name:	Big	Cat 16 CTB 9			
PO Box 247	Project Number	er: 0105	58-0007			Reported:
Plains TX, 79355-0247	Project Manag	ger: Tom	Bynum			7/7/2022 4:05:30PM
		SW-4				
		E206242-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	Batch: 2228023		
Benzene	ND	0.0250	1	07/06/22	07/06/22	
Ethylbenzene	ND	0.0250	1	07/06/22	07/06/22	
Toluene	ND	0.0250	1	07/06/22	07/06/22	
p-Xylene	ND	0.0250	1	07/06/22	07/06/22	
o,m-Xylene	ND	0.0500	1	07/06/22	07/06/22	
Total Xylenes	ND	0.0250	1	07/06/22	07/06/22	
Surrogate: 4-Bromochlorobenzene-PID		91.4 %	70-130	07/06/22	07/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: IY		Batch: 2228023
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/06/22	07/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	07/06/22	07/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: JL		Batch: 2228026
Diesel Range Organics (C10-C28)	ND	25.0	1	07/06/22	07/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	07/06/22	07/07/22	
Surrogate: n-Nonane		100 %	50-200	07/06/22	07/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: KL		Batch: 2228017
Chloride	ND	200	10	07/06/22	07/07/22	

	5	ample D	ata			
Pima Environmental Services-Carlsbad	Project Name	: Big	Cat 16 CTB 9			
PO Box 247	Project Numb	er: 0103	58-0007			Reported:
Plains TX, 79355-0247	Project Manag	ger: Tom	n Bynum			7/7/2022 4:05:30PM
		S-1 1'				
		E206242-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	Batch: 2228023		
Benzene	ND	0.0250	1	07/06/22	07/06/22	
Ethylbenzene	ND	0.0250	1	07/06/22	07/06/22	
Toluene	ND	0.0250	1	07/06/22	07/06/22	
o-Xylene	ND	0.0250	1	07/06/22	07/06/22	
,m-Xylene	ND	0.0500	1	07/06/22	07/06/22	
Total Xylenes	ND	0.0250	1	07/06/22	07/06/22	
Surrogate: 4-Bromochlorobenzene-PID		91.0 %	70-130	07/06/22	07/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: IY		Batch: 2228023
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/06/22	07/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	07/06/22	07/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	:: JL		Batch: 2228026
Diesel Range Organics (C10-C28)	ND	25.0	1	07/06/22	07/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	07/06/22	07/07/22	
Surrogate: n-Nonane		111 %	50-200	07/06/22	07/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: KL		Batch: 2228017
Chloride	ND	200	10	07/06/22	07/07/22	



# Sample Data

	S	ample D	ata			
Pima Environmental Services-Carlsbad	Project Name		Cat 16 CTB 9			
PO Box 247	Project Numb		58-0007			Reported:
Plains TX, 79355-0247	Project Manag	ger: Tom	Bynum			7/7/2022 4:05:30PM
		S-2 1'				
		E206242-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2228023
Benzene	ND	0.0250	1	07/06/22	07/06/22	
Ethylbenzene	ND	0.0250	1	07/06/22	07/06/22	
Toluene	ND	0.0250	1	07/06/22	07/06/22	
p-Xylene	ND	0.0250	1	07/06/22	07/06/22	
o,m-Xylene	ND	0.0500	1	07/06/22	07/06/22	
Fotal Xylenes	ND	0.0250	1	07/06/22	07/06/22	
Surrogate: 4-Bromochlorobenzene-PID		92.5 %	70-130	07/06/22	07/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: IY		Batch: 2228023
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/06/22	07/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	07/06/22	07/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	:: JL		Batch: 2228026
Diesel Range Organics (C10-C28)	ND	25.0	1	07/06/22	07/07/22	
Dil Range Organics (C28-C36)	ND	50.0	1	07/06/22	07/07/22	
Surrogate: n-Nonane		114 %	50-200	07/06/22	07/07/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: KL		Batch: 2228017
Chloride	ND	200	10	07/06/22	07/07/22	



### **OC Summary Data**

	Project Name:	Bi	ig Cat 16 CTB	9				Reported:			
	Project Number:	01									
	Project Manager:	Тс	om Bynum					7/7/2022 4:05:30PM			
Volatile Organics by EPA 8021B											
Pogult	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
						Prepared: 0	7/06/22 A	nalyzed: 07/06/22			
ND	0.0250										
ND	0.0250										
ND	0.0250										
ND	0.0250										
ND	0.0500										
ND	0.0250										
7.36		8.00		92.0	70-130						
						Prepared: 0	7/06/22 A	nalyzed: 07/06/22			
5.02	0.0250	5.00		100	70-130						
4.47	0.0250	5.00		89.4	70-130						
4.76	0.0250	5.00		95.2	70-130						
4.62	0.0250	5.00		92.4	70-130						
9.22	0.0500	10.0		92.2	70-130						
13.8	0.0250	15.0		92.3	70-130						
7.50		8.00		93.8	70-130						
						Prepared: 0	7/06/22 A	nalyzed: 07/06/22			
5.30	0.0250	5.00		106	70-130	5.29	20				
4.70	0.0250	5.00		94.0	70-130	5.09	20				
5.02	0.0250	5.00		100	70-130	5.29	20				
4.87	0.0250	5.00		97.4	70-130	5.28	20				
				04.0	70-130	4.97	20				
9.69 14.6	0.0500	10.0 15.0		96.9 97.1	70-130	5.08	20				
	ND ND ND ND ND 7.36 5.02 4.47 4.76 4.62 9.22 13.8 7.50 5.30 4.70 5.02	Project Name: Project Number: Project Manager:           Volatile Or           Result mg/kg         Reporting Limit mg/kg           ND         0.0250           7.36	Project Name:         Bit           Project Number:         01           Project Manager:         Tail           Volatile Organics I         Imit           Result         mg/kg         mg/kg           ND         0.0250           S.00         5.00           4.47         0.0250           9.22         0.0500           10.0         13.8           0.0250         5.00           7.50         8.00           5.30         0.0250           5.30         0.0250      5.00         5.00           5.0	Project Name: Project Number:         Big Cat 16 CTB 01058-0007           Project Manager:         Tom Bynum           Volatile Organics by EPA 802           Result mg/kg         Reporting Mg/kg         Spike mg/kg         Source Result mg/kg           ND         0.0250         ng/kg         mg/kg           ND         0.0250         ng/kg         mg/kg           ND         0.0250         nd         1           ND         0.0250         1         1           ND         0.0250         5.00         1           Sol2         0.0250         5.00         1           5.02         0.0250         5.00         1           13.8         0.0250         15.0         1           7.50         8.00         1         1           5.30         0.0250         5.00         1           5.30         0.0250         5.00 <td>Project Number:         01058-0007           Project Manager:         Tom Bynum           Volatile Organics by EPA 8021B           Result         Reporting         Spike         Source           mg/kg         mg/kg         mg/kg         Rec           ND         0.0250         mg/kg         mg/kg         %           ND         0.0250         -         -           ND         0.0250         5.00         100           4.47         0.0250         5.00         92.0           5.02         0.0250         5.00         92.4           9.22         0.0500         10.0         92.2           13.8         0.0250         5.00         92.3           7.50         8.00         93.8         -     <td>Project Name:         Big Cat 16 CTB 9           Project Number:         01058-0007           Project Manager:         Tom Bynum           Volatile Organics by EPA 8021B           Result         Reporting         Spike         Source         Rec         Limits           mg/kg         mg/kg         mg/kg         mg/kg         %         %           ND         0.0250         ND         0.0250         Volatile         Source         Rec         Limits           Sign 0.0250         ND         0.0250         ND         0.0250         Volatile         Source         Rec         Rec           Sign 0.0250         ND         0.0250         Volation         P2.0         70-130           5.02         0.0250         Source         Superior         P1.30           5.02         0.0250         Source         Superior         P1.30<td>Project Name:         Big Cat 16 CTB 9           Project Number:         01058-0007           Project Manager:         Tom Bynum           Volatile Organics by EPA 8021B           Result         Reporting Limit         Spike Level         Source Result         Rec %         Rec %         Rep %         RPD           MD         0.0250         mg/kg         mg/kg         mg/kg         %         %         %           ND         0.0250         ND         0.0250         Prepared: 0         Prepared: 0           Solution         92.0         70-130         Prepared: 0         Prepared: 0         Prepared: 0           Solution         92.0         70-130         Prepared: 0         Prepared: 0         Prepared: 0           Solution         92.2         70-130         Prepared: 0         Prepared: 0         Prepared: 0           Solution         92.2         70-130         Prepared: 0</td><td>Project Name:         Big Cat 16 CTB 9           Project Number:         01058-0007           Project Manager:         Tom Bynum           Volatile Organics by EPA 8021B           Result         Reporting         Spike         Source         Rec         Limits         RPD         Limit           mg/kg         mg/kg         mg/kg         mg/kg         %         %         %         %           ND         0.0250         ND         0.0250         ND         0.0250         Prepared:         07/06/22         A           ND         0.0250         ND         0.0250         Prepared:         07/06/22         A           ND         0.0250         5.00         100         70-130         Prepared:         07/06/22         A           5.02         0.0250         5.00         100         70-130         Prepared:         07/06/22         A           5.02         0.0250         5.00         92.0         70-130         P         A           7.50         8.00         92.2         70-130         P         A         A         A         A         A         A         A         A         A         A         A         A</td></td></td>	Project Number:         01058-0007           Project Manager:         Tom Bynum           Volatile Organics by EPA 8021B           Result         Reporting         Spike         Source           mg/kg         mg/kg         mg/kg         Rec           ND         0.0250         mg/kg         mg/kg         %           ND         0.0250         -         -           ND         0.0250         5.00         100           4.47         0.0250         5.00         92.0           5.02         0.0250         5.00         92.4           9.22         0.0500         10.0         92.2           13.8         0.0250         5.00         92.3           7.50         8.00         93.8         - <td>Project Name:         Big Cat 16 CTB 9           Project Number:         01058-0007           Project Manager:         Tom Bynum           Volatile Organics by EPA 8021B           Result         Reporting         Spike         Source         Rec         Limits           mg/kg         mg/kg         mg/kg         mg/kg         %         %           ND         0.0250         ND         0.0250         Volatile         Source         Rec         Limits           Sign 0.0250         ND         0.0250         ND         0.0250         Volatile         Source         Rec         Rec           Sign 0.0250         ND         0.0250         Volation         P2.0         70-130           5.02         0.0250         Source         Superior         P1.30           5.02         0.0250         Source         Superior         P1.30<td>Project Name:         Big Cat 16 CTB 9           Project Number:         01058-0007           Project Manager:         Tom Bynum           Volatile Organics by EPA 8021B           Result         Reporting Limit         Spike Level         Source Result         Rec %         Rec %         Rep %         RPD           MD         0.0250         mg/kg         mg/kg         mg/kg         %         %         %           ND         0.0250         ND         0.0250         Prepared: 0         Prepared: 0           Solution         92.0         70-130         Prepared: 0         Prepared: 0         Prepared: 0           Solution         92.0         70-130         Prepared: 0         Prepared: 0         Prepared: 0           Solution         92.2         70-130         Prepared: 0         Prepared: 0         Prepared: 0           Solution         92.2         70-130         Prepared: 0</td><td>Project Name:         Big Cat 16 CTB 9           Project Number:         01058-0007           Project Manager:         Tom Bynum           Volatile Organics by EPA 8021B           Result         Reporting         Spike         Source         Rec         Limits         RPD         Limit           mg/kg         mg/kg         mg/kg         mg/kg         %         %         %         %           ND         0.0250         ND         0.0250         ND         0.0250         Prepared:         07/06/22         A           ND         0.0250         ND         0.0250         Prepared:         07/06/22         A           ND         0.0250         5.00         100         70-130         Prepared:         07/06/22         A           5.02         0.0250         5.00         100         70-130         Prepared:         07/06/22         A           5.02         0.0250         5.00         92.0         70-130         P         A           7.50         8.00         92.2         70-130         P         A         A         A         A         A         A         A         A         A         A         A         A</td></td>	Project Name:         Big Cat 16 CTB 9           Project Number:         01058-0007           Project Manager:         Tom Bynum           Volatile Organics by EPA 8021B           Result         Reporting         Spike         Source         Rec         Limits           mg/kg         mg/kg         mg/kg         mg/kg         %         %           ND         0.0250         ND         0.0250         Volatile         Source         Rec         Limits           Sign 0.0250         ND         0.0250         ND         0.0250         Volatile         Source         Rec         Rec           Sign 0.0250         ND         0.0250         Volation         P2.0         70-130           5.02         0.0250         Source         Superior         P1.30           5.02         0.0250         Source         Superior         P1.30 <td>Project Name:         Big Cat 16 CTB 9           Project Number:         01058-0007           Project Manager:         Tom Bynum           Volatile Organics by EPA 8021B           Result         Reporting Limit         Spike Level         Source Result         Rec %         Rec %         Rep %         RPD           MD         0.0250         mg/kg         mg/kg         mg/kg         %         %         %           ND         0.0250         ND         0.0250         Prepared: 0         Prepared: 0           Solution         92.0         70-130         Prepared: 0         Prepared: 0         Prepared: 0           Solution         92.0         70-130         Prepared: 0         Prepared: 0         Prepared: 0           Solution         92.2         70-130         Prepared: 0         Prepared: 0         Prepared: 0           Solution         92.2         70-130         Prepared: 0</td> <td>Project Name:         Big Cat 16 CTB 9           Project Number:         01058-0007           Project Manager:         Tom Bynum           Volatile Organics by EPA 8021B           Result         Reporting         Spike         Source         Rec         Limits         RPD         Limit           mg/kg         mg/kg         mg/kg         mg/kg         %         %         %         %           ND         0.0250         ND         0.0250         ND         0.0250         Prepared:         07/06/22         A           ND         0.0250         ND         0.0250         Prepared:         07/06/22         A           ND         0.0250         5.00         100         70-130         Prepared:         07/06/22         A           5.02         0.0250         5.00         100         70-130         Prepared:         07/06/22         A           5.02         0.0250         5.00         92.0         70-130         P         A           7.50         8.00         92.2         70-130         P         A         A         A         A         A         A         A         A         A         A         A         A</td>	Project Name:         Big Cat 16 CTB 9           Project Number:         01058-0007           Project Manager:         Tom Bynum           Volatile Organics by EPA 8021B           Result         Reporting Limit         Spike Level         Source Result         Rec %         Rec %         Rep %         RPD           MD         0.0250         mg/kg         mg/kg         mg/kg         %         %         %           ND         0.0250         ND         0.0250         Prepared: 0         Prepared: 0           Solution         92.0         70-130         Prepared: 0         Prepared: 0         Prepared: 0           Solution         92.0         70-130         Prepared: 0         Prepared: 0         Prepared: 0           Solution         92.2         70-130         Prepared: 0         Prepared: 0         Prepared: 0           Solution         92.2         70-130         Prepared: 0	Project Name:         Big Cat 16 CTB 9           Project Number:         01058-0007           Project Manager:         Tom Bynum           Volatile Organics by EPA 8021B           Result         Reporting         Spike         Source         Rec         Limits         RPD         Limit           mg/kg         mg/kg         mg/kg         mg/kg         %         %         %         %           ND         0.0250         ND         0.0250         ND         0.0250         Prepared:         07/06/22         A           ND         0.0250         ND         0.0250         Prepared:         07/06/22         A           ND         0.0250         5.00         100         70-130         Prepared:         07/06/22         A           5.02         0.0250         5.00         100         70-130         Prepared:         07/06/22         A           5.02         0.0250         5.00         92.0         70-130         P         A           7.50         8.00         92.2         70-130         P         A         A         A         A         A         A         A         A         A         A         A         A			



## **QC Summary Data**

		QC D	umm	lary Data					
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:		Big Cat 16 CTB 9 01058-0007 Tom Bynum	)				<b>Reported:</b> 7/7/2022 4:05:30PM
	No	onhalogenated (	Organic	es by EPA 801	5D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	:
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2228023-BLK1)							Prepared: 0	07/06/22	Analyzed: 07/06/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00		90.6	70-130			
LCS (2228023-BS2)							Prepared: 0	7/06/22	Analyzed: 07/06/22
Gasoline Range Organics (C6-C10)	50.6	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			
LCS Dup (2228023-BSD2)							Prepared: 0	7/06/22	Analyzed: 07/06/22
Gasoline Range Organics (C6-C10)	53.0	20.0	50.0		106	70-130	4.66	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.7	70-130			



### QC Summary Data

		QC DI		ary Data					
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:		Big Cat 16 CTB 9 01058-0007 Tom Bynum					<b>Reported:</b> 7/7/2022 4:05:30PM
	Nonh	alogenated Orga	anics by	y 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
Blank (2228026-BLK1)							Prepared: 0	7/06/22 A	nalyzed: 07/06/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.7		50.0		117	50-200			
LCS (2228026-BS1)							Prepared: 0	7/06/22 A	nalyzed: 07/06/22
Diesel Range Organics (C10-C28)	520	25.0	500		104	38-132			
Surrogate: n-Nonane	57.4		50.0		115	50-200			
Matrix Spike (2228026-MS1)				Source: E2	06241-	02	Prepared: 0	7/06/22 A	nalyzed: 07/07/22
Diesel Range Organics (C10-C28)	680	25.0	500	ND	136	38-132			M2
Surrogate: n-Nonane	74.0		50.0		148	50-200			
Matrix Spike Dup (2228026-MSD1)				Source: E2	06241-	02	Prepared: 0	7/06/22 A	nalyzed: 07/07/22
Diesel Range Organics (C10-C28)	692	25.0	500	ND	138	38-132	1.80	20	M2
Surrogate: n-Nonane	67.8		50.0		136	50-200			



#### **QC Summary Data**

		$\mathbf{x} \in \mathbf{v}$		, <u> </u>					
Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:		Big Cat 16 CTB 9 01058-0007 Tom Bynum	)				<b>Reported:</b> 7/7/2022 4:05:30PM
		Anions	by EPA	300.0/9056A					Analyst: KL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2228017-BLK1)							Prepared: 0	7/06/22 A	nalyzed: 07/07/22
Chloride LCS (2228017-BS1)	ND	20.0					Prepared: 0	7/06/22 A	nalyzed: 07/07/22
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2228017-MS1)				Source: E	206238-	01	Prepared: 0	7/06/22 A	nalyzed: 07/07/22
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2228017-MSD1)				Source: E	206238-	01	Prepared: 0	7/06/22 A	nalyzed: 07/07/22
Chloride	257	20.0	250	ND	103	80-120	0.504	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.



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Pima Environmental Services-Carlsbad	Project Name:	Big Cat 16 CTB 9	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/07/22 16:05

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- Note (1): Methods marked with \*\* are non-accredited methods.

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



**Project Information** 

Received by OCD: 3/20/2023 2:37:13 PM

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Time SampledDate SampledMatrixNo. of ContainersSample IDLab Number $0000$ $0000$ 8:006/28/2SB61118:006/28/2SB62218:05IB622318:05ISW-13318:10SW-1SW-2418:10SW-2SW-3518:20SW-3SW-3518:20SW-3SW-401	ALC 20 8260	Analy: Wetals 6010	Chloride 300.0	Method	1D WN DODD	2D XL DODDB	3D	Stand		CWA State T AZ emarks	SDW/ RCR/ TX
ity, State, Zip Hobbs, NM, 88240         hone: 580-748-1613         mail: tom@pimaoil.com         eport due by:         Time       Date       Matrix       No. of Containers       Sample ID       Lab       Number       Number       Number       Sample ID         8:05       I       B&2       I	VOC by 8260				BGDOC NM					T AZ	d.
hone:580-748-1613 mail:Email: Pima Project #Image: Constant of the second se	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC			X		T AZ	TX
mail:tom@pimaoil.comeport due by:Pima Project # 125Time sampledDate sampledMatrix containersNo. of containersSampledMatrix containersSample IDScool6/28/22SB/61Scool6/28/22SB/61Scool6/28/22SB/61Scool6/28/22SB/61Scool6/28/22SB/61Scool6/28/22SB/61ScoolSw-1Sw-1ScoolSw-24ScoolSw-35ScoolSw-4Q	b 15X 0Y 8U21	Metals 6010	Chloride 300.0		BGDOC			X		T AZ	TX
Infant. Torritogrammed.comPima Project # 125And or open of the project # 125Time SampledDate SampledMatrixNo. of containersSample ID3:006/2%/22SB/2118:05IB/22218:05IB/22318:10Sw-1348:10Sw-2458:20Sw-3558:20Sw-308:25Sw-47	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC						
Time SampledDate SampledMatrixNo. of ContainersSample IDLab Number $0000$ 8:006/28/22SBG1118:051BG2218:051SG2218:1055118:155518:205518:205518:25551	VOC by 8	Metals 60	Chloride		-				Re	emarks	4
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$   \frac{8:20}{8:25} \qquad \qquad Sw-3 \qquad \qquad 5 \\ Sw-4 \qquad \qquad 0 \\ \hline   7 \qquad \qquad 7 $						-					
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8:30 5-11				_	11	-				_	
8:35 S-Z 1' 8	-		_	-	1.						_
	-			+	-	-					-
Additional Instructions: Rul To Dava 1 & and Dava			<u> </u>		_	-	1				-
Additional Instructions: Bill TO DEVON Entropy - (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or interventily mislabelling the sample location, bate or time of collection is considered fraud and may be grounds for legal action. Sampled by: Kicly A Voirez									e the day they equent days.	are sample	d or recei
relinducted by: (Signature) Date Time r Received by: (Signature) Date Date Time r	30	Rece	eived or	n ice:			lse On V	nly			
Clinguished by: Signature A Bate Date Time 3. A Bergived by Signature that 0/30/22/11:3	35	T1			T2			<u>T3</u>			F
Relinquished dy: (Signature) Date Time Received by: (Signature) Date Time			Temp		4						
Sample Matrix S - Soil) Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: S - gla	159, p - F	poly/pl	astic, ag	- amb	er gla	ass, v	- VOA				_
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount p				the clie	ent ex	pense	. The	report for	r the analys	is of the	ibove

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Pima Environmental Services-Carlsbad D	ate Received:	06/30/22	11:35	Work Order ID:	E206242
Phone:	(575) 631-6977 D	ate Logged In:	06/30/22	12:26	Logged In By:	Caitlin Christian
Email:		ue Date:	07/07/22	17:00 (4 day TAT)		
Chain o	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	Carrier: UPS		
4. Was t	he COC complete, i.e., signatures, dates/times, requested	1 analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
Sample	Turn Around Time (TAT)					
6. Did tl	he COC indicate standard TAT, or Expedited TAT?		Yes			
<u>Sample</u>	Cooler					
7. Was a	a sample cooler received?		Yes			
8. If yes	, was cooler received in good condition?		Yes			
9. Was t	the sample(s) received intact, i.e., not broken?		Yes			
10. Wer	e custody/security seals present?		No			
11. If ye	es, were custody/security seals intact?		NA			
12. Was	the sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re		Yes			
13 If no	minutes of sampling o visible ice, record the temperature. Actual sample ter	mnerature: 4º	C			
		претаture. <u>+</u>	<u>c</u>			
	<u>Container</u> aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	he head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	e appropriate volume/weight or number of sample containers	s collected?	Yes			
Field La						
	e field sample labels filled out with the minimum inform	ation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
-	Preservation	10	ŊŢ			
	s the COC or field labels indicate the samples were prese	ervea?	No Na			
	sample(s) correctly preserved? b filteration required and/or requested for dissolved meta	109	NA No			
		a15 :	No			
	hase Sample Matrix					
26 5	s the sample have more than one phase, i.e., multiphase?		No			
	es, does the COC specify which phase(s) is to be analyze	a:	NA			
27. If ye						
27. If ye <u>Subcon</u>	tract Laboratory					
27. If ye <u>Subcon</u> 28. Are	tract Laboratory samples required to get sent to a subcontract laboratory? a subcontract laboratory specified by the client and if so		No NA			

Date

envirotech Inc.

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

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

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	198951
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

CONDITIC	INS	
Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please remember to include a copy of the email notification in the closure report.	4/25/2023

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Action 198951