Hackberry 16 SWD # 1

OCD incident # nAPP2326224545

9/19/2023

Spills In Lined Containment	
Measurements Of Standing Fluid	
Length(Ft)	84
Width(Ft)	171.00
Depth(in.)	3.875
Total Capacity without tank displacements (bbls)	826.13
No. of 500 bbl Tanks In Standing Fluid	5
No. of Other Tanks In Standing Fluid	0
OD Of Other Tanks In Standing Fluid(feet)	
Total Volume of standing fluid accounting for tank displacement.	771.89

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TALON LPE

Deferral Report

Hackberry 16 SWD 1
Eddy County, New Mexico
API ID # 30-015-41783
Incident # NAPP2326224545

Prepared For:

Devon Energy Production Company
333 West Sheridan Ave.
Oklahoma City, OK 73102

Prepared By:

Talon/LPE
408 W. Texas Avenue
Artesia, New Mexico 88210

November 30, 2023

NMOCD
506 W. Texas Ave
Artesia, NM 88210

Subject: **Deferral Report**
Hackberry 16 SWD 1
Eddy County, New Mexico
API # 30-015-41783
Incident # NAPP2326224545

To Whom It May Concern,

Devon Energy Production Company (Devon) contracted Talon/LPE (Talon) to perform liner inspection services at the above referenced location. The incident description, soil sampling results, liner integrity certification, and the deferral request are presented herein.

Site Information

The Hackberry 16 SWD 1 is located approximately 12.5 miles southeast of Loco Hills, New Mexico. The legal location for this release is Unit Letter M, Section 16, Township 19 South and Range 31 East in Eddy County, New Mexico. The latitude and longitude for the release are 32.65442166, -103.8821016. A Site Map is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is comprised of Kermit-Berino fine sands, 0 to 3 percent slopes. The referenced soil data is presented in Appendix II. Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of eolian and piedmont deposits, Holocene to middle Pleistocene in age.

Groundwater and Site Characterization

Based on the New Mexico Office of the State Engineer Database, the nearest reported groundwater depth is 54 feet below ground surface (bgs) but is located greater than 0.5 miles from the subject site. The FEMA Flood Service Center does not locate the site in a 100-year flood plain. Further research of the Bureau of Land Management Karst data indicates that this site is situated within a low potential Karst area. See Appendix II for the site characterization data.

Site Characterization	
What is the shallowest depth to groundwater beneath the area affected by the release? (ft Bgs)	54 ft
What method was used to determine the depth to ground water?	Estimate
Did the release impact groundwater or surface water?	No
Distance from a flowing watercourse or any other significant watercourse. (mi)	0.3 mi
Distance from any lakebed, sinkhole, or playa lake. (mi)	5.3 mi
Distance from an occupied permanent residence, school, hospital, institution, or church. (mi)	5.6 mi
Distance from a spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes. (mi)	1.5 mi
Distance from any fresh water well or spring. (mi)	1.7 mi
Distance from incorporated municipal boundaries or a defined municipal fresh water field. (mi)	5.6 mi
Distance from a wetland. (mi)	0.0 mi
Distance from a subsurface mine. (mi)	22.5 mi
Distance from (non-karst) unstable area. (mi)	16.3 mi
Categorize the risk of this well/site being in a karst geology.	Low
Distance from a 100-year floodplain. (mi)	2.97
Did the release impact areas not on an exploration, development, production, or storage site?	No

Groundwater and Site Characterization (Continued)

With no depth to water source available that meets New Mexico Oil Conservation Division's (NMOCD) criteria within ½ mile of the site, the responsible party must therefore adhere to the cleanup criteria for this site of groundwater less than 50 feet bgs, Table I, NMOCD Rule 19.15.29 NMAC.

Table I
Closure Criteria for Soils Impacted by a Release

Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet	Total Chlorides	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Incident Description

Devon personnel reported a spill on September 19, 2023. The C-141 submitted to the NMOCD, incident number NAPP2326224545, stated a filter pod developed a leak, resulting in the release of 797 barrels (bbls) of produced water inside a lined containment with approximately 797 (bbls) recovered. The site map is presented in Appendix I.

Liner Inspection

On October 20th, 2023, Talon personnel mobilized to the site to conduct a liner inspection. The tank battery was inspected with several discrepancies identified on the integrity of the liner. Holes noted during the inspection of the liner were circled with white chalk and photographed. Inspection pictures can be viewed in Appendix IV.

Site Assessment

On October 31, 2023, Talon personnel returned to location to sample beneath the liner for potential contamination determination. Three (3) areas were cut on the liner to allow for representative sampling under the tank battery. These samples were packaged in laboratory provided glassware, preserved on ice, and transported with the chain of custody to Cardinal Laboratories in Hobbs, New Mexico for analysis of Total Chlorides (SM 4500CL-B), Total Petroleum Hydrocarbons (TPH, EPA Method 8015M) and Volatile Organics (BTEX, EPA Method 8021B). The sample results from the laboratory analysis are summarized

in Table 1 (Appendix VI). Sample locations are illustrated in Figure 1 (Appendix I) and complete laboratory analytical reports are presented in Appendix V.

On November 15, 2023, Talon personnel returned to location to collect additional samples at sample point S-3 for further vertical delineation. On December 27, 2023 background samples were taken around the containment in each cardinal direction to delineate horizontally. These samples were packaged in laboratory provided glassware, preserved on ice, and transported with the chain of custody to Envirotech, Inc., in Farmington, New Mexico for analysis of Total Chlorides (EPA Method 300.0), Total Petroleum Hydrocarbons (TPH, EPA Method 8015D) and Volatile Organics (BTEX, EPA Method 8260B). The sample results from the laboratory analysis are summarized in Table 1 (Appendix VI). Sample locations are illustrated in Figure 1 (Appendix I) and complete laboratory analytical reports are presented in Appendix V.

Liner Inspection Summary

- Samples were taken under the liner to depths of four (4) feet to eight (8) feet bgs to verify vertical delineation of contamination.
- Additional samples were taken in each cardinal direction around the containment to determine horizonal delineation.
- Analytical lab results indicated contamination was fully delineated.
- Liner was repaired with poly, water proof, adhesive tape and inspected after sampling event.
- Site maps are located in Appendix I.
- Copies of the C-141 and NMOCD correspondence are presented in Appendix III.
- Inspection and assessment activities were documented with photographs timestamped with GPS data. Appendix IV.
- Analytical Data Tables are provided in Appendix VI.

Deferral Request

On behalf of Devon, we respectfully request that no further actions be required at this time and that deferral of this incident until facility closure be granted.

Respectfully submitted,

Talon/LPE

Matthew Gomez
Project Manager

Chad Hensley
Senior Project Manager

Attachments:

Appendix I	Site Maps
Appendix II	Groundwater Data, Soil Survey, FEMA Flood Map
Appendix III	C-141 Forms, NMOCD Correspondence
Appendix IV	Photographic Documentation
Appendix V	Laboratory Reports
Appendix VI	Analytical Data Tables
Appendix VII	Liner Certification Forms.

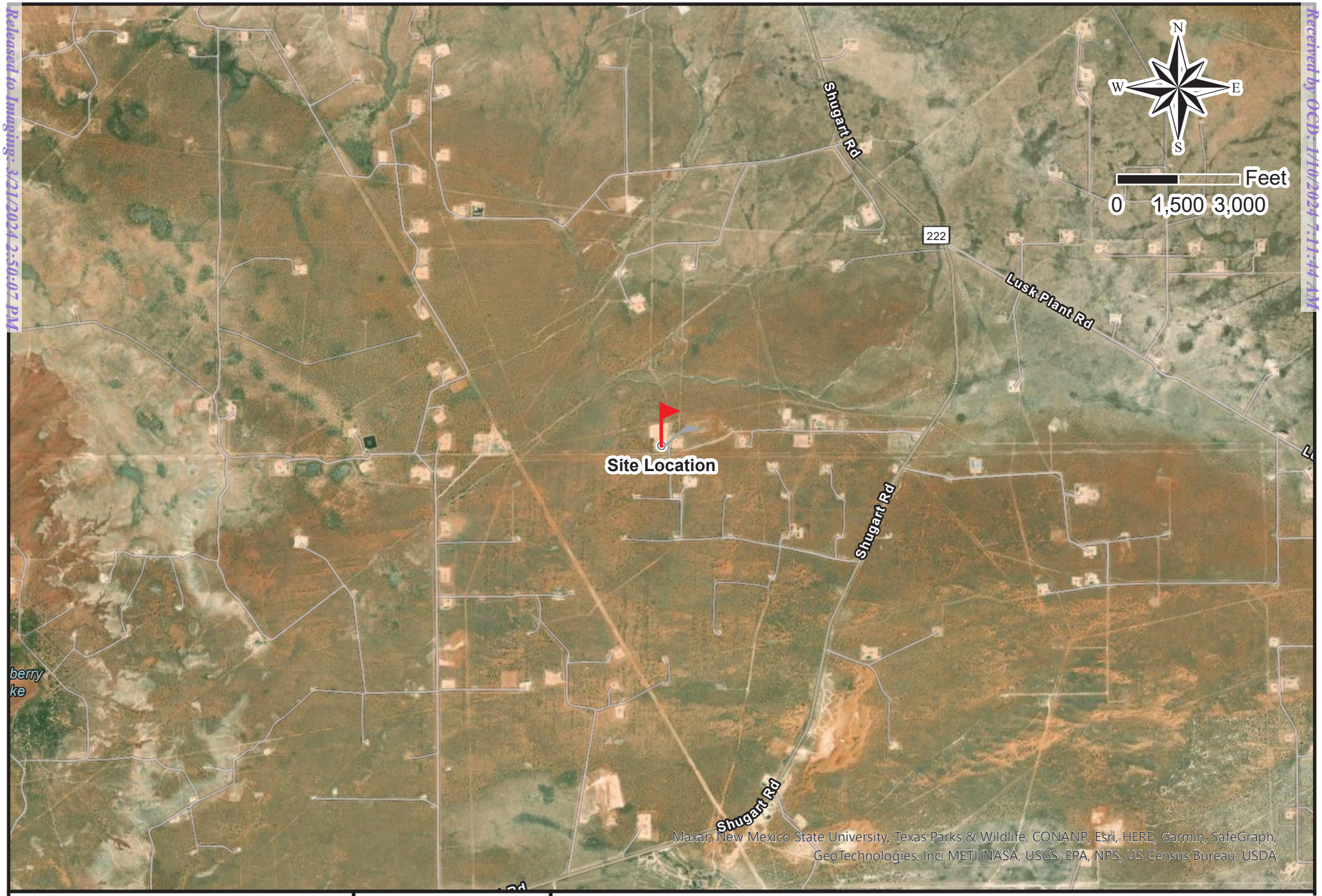
Appendix I

Site Maps

TALON LPE

Drafted: 12/26/2023
1 in = 50 ft
Drafted By: IJR

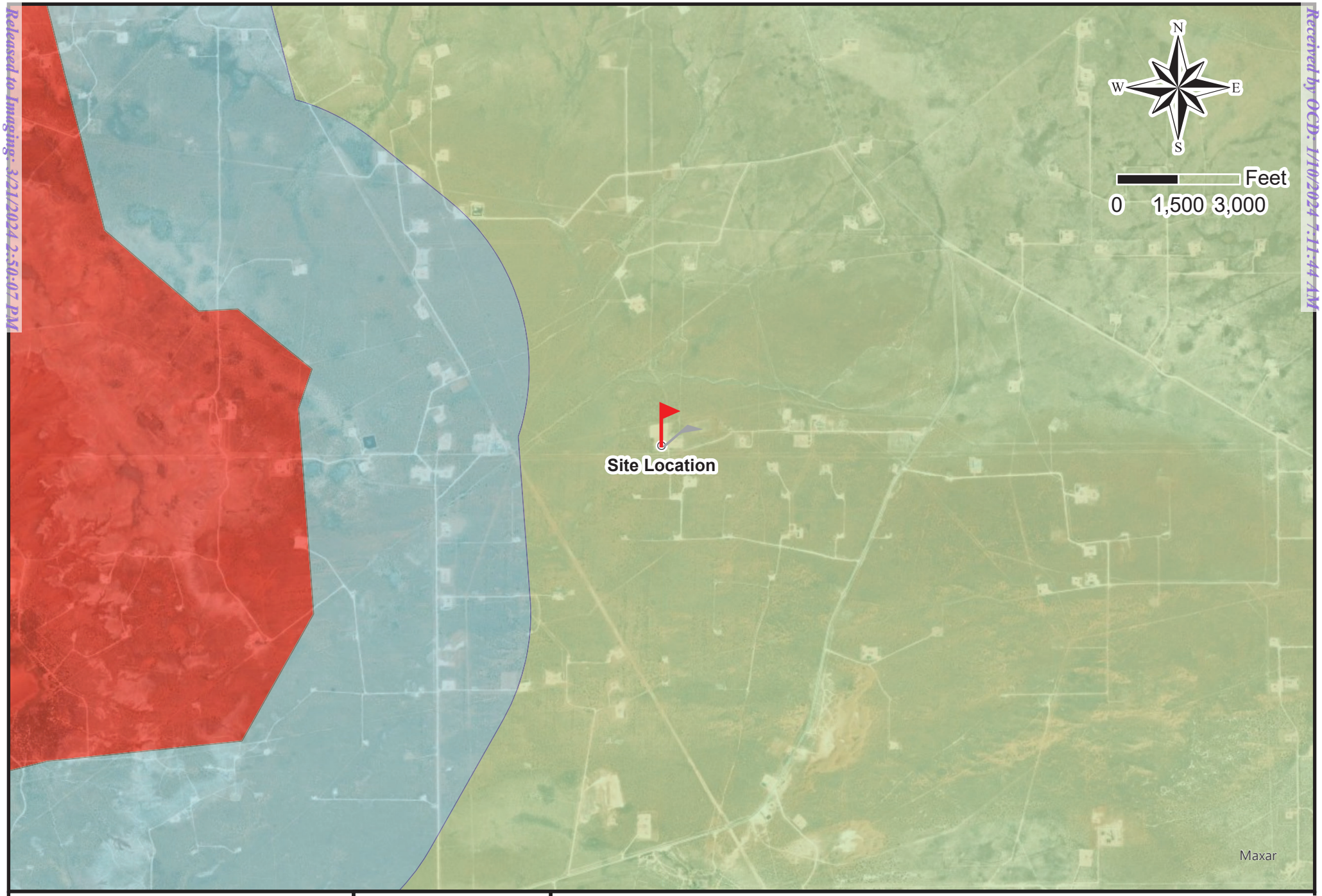
Devon
Hackberry 16 SWD 1
SWD 1 Eddy County, New Mexico
Figure 1 Assessment Map



TALON LPE

Drafted: 11/30/2023
1 in = 3,000 ft
Drafted By: JAI

Devon
Hackberry 16 SWD 1
Eddy County, New Mexico
Figure 2 Location Map



TALON LPE

Drafted: 11/30/2023
1 in = 3,000 ft
Drafted By: JAI

Devon
Hackberry 16 SWD 1
Eddy County, New Mexico
Figure 3 Karst Map

TALON LPE

Drafted: 11/30/2023
1 in = 3,000 ft
Drafted By: JAI

Devon
Hackberry 16 SWD 1
Eddy County, New Mexico
Figure 4 Topographic Map

Appendix II

Groundwater Data

Soil Survey

FEMA Flood Map

New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	CP 01941 POD1	3	2	2	29	19S	31E	604524	3611512

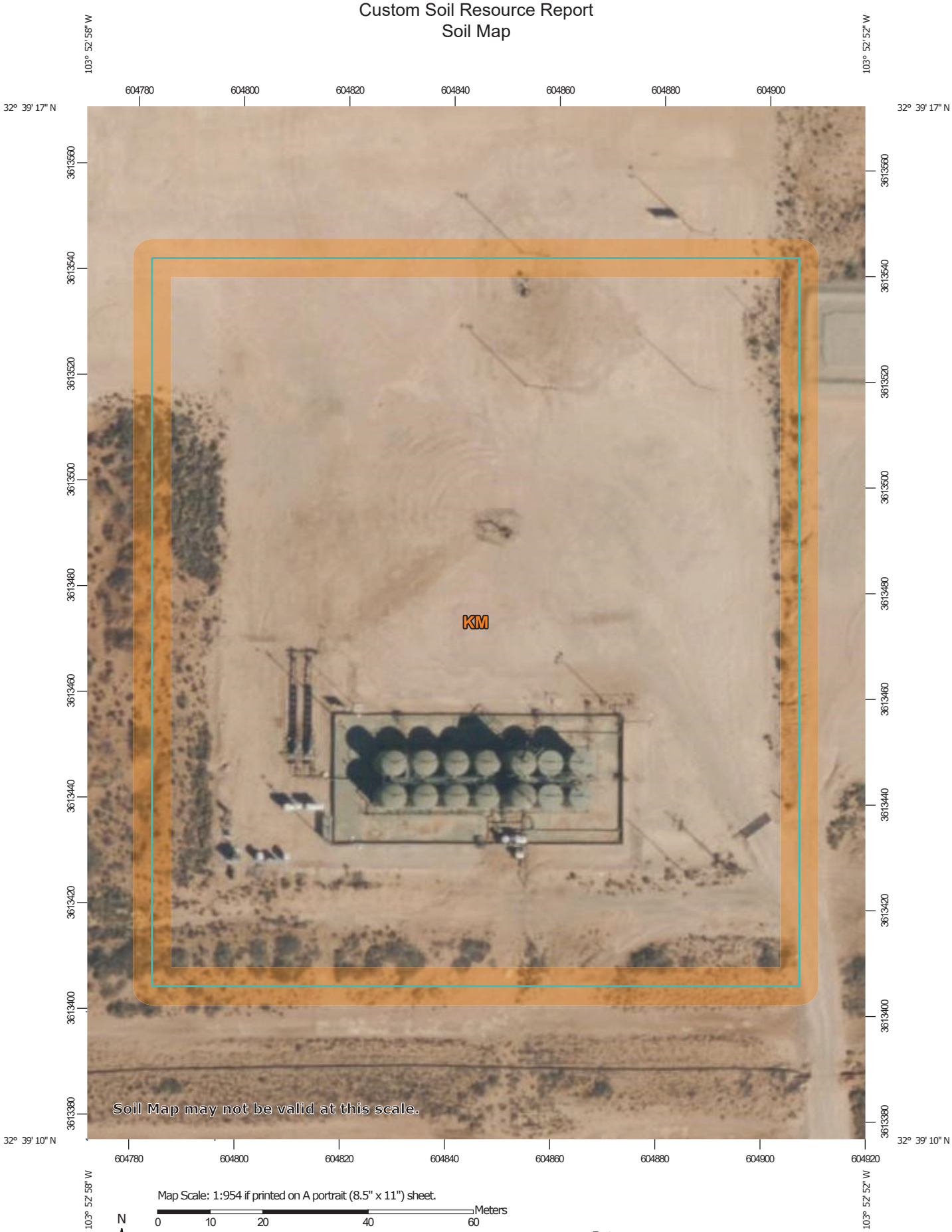
Driller License: 1249 **Driller Company:** ATKINS ENGINEERING ASSOC. INC.

Driller Name: JACKIE D. ATKINS

Drill Start Date:	04/04/2023	**Drill Finish Date:**	04/04/2023	**Plug Date:**	04/18/2023
Log File Date:	04/28/2023	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:		**Depth Well:**	55 feet	**Depth Water:**	54 feet

Water Bearing Stratifications:	Top	Bottom	Description
	40	55	Shale/Mudstone/Siltstone

Custom Soil Resource Report
Soil Map



Map Scale: 1:954 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 10 20 40 60

Feet
0 45 90 180 270

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 19, Sep 7, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Eddy Area, New Mexico

KM—Kermit-Berino fine sands, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4q
Elevation: 3,100 to 4,200 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 190 to 230 days
Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 50 percent
Berino and similar soils: 35 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landform: Plains, alluvial fans
Landform position (three-dimensional): Talf, rise
Down-slope shape: Convex, linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 7 inches: fine sand
H2 - 7 to 60 inches: fine sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Negligible
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: 1.0
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: R070BD005NM - Deep Sand
Hydric soil rating: No

Description of Berino

Setting

Landform: Plains, fan piedmonts
Landform position (three-dimensional): Riser

Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand
H2 - 17 to 50 inches: fine sandy loam
H3 - 50 to 58 inches: loamy sand

Properties and qualities

Slope: 0 to 3 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: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Active dune land

Percent of map unit: 15 percent
Hydric soil rating: No

National Flood Hazard Layer FIRMette

FEMA

103°53'10"W 32°39'32"N

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

1:6,000

103°52'33"W 32°39'2"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

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

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

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

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

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 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

N

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 11/20/2023 at 12:45 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.

Appendix III

C-141 Forms

NMOCD Correspondence

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

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

Incident ID	nAPP2326224545
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Dale Woodall	Contact Telephone 575-748-1838
Contact email dale.woodall@dvn.com	Incident # *(assigned by OCD)* nAPP2326224545
Contact mailing address 205 E. Bender Road. #150; Hobbs, NM 88240	

Location of Release Source

Latitude 32.65442166 Longitude -103.8821016

(NAD 83 in decimal degrees to 5 decimal places)

Site Name HACKBERRY 16 SWD # 1	Site Type SWD
Date Release Discovered 9/19/2023	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
M	16	19S	31E	EDDY

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)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 772	Volume Recovered (bbls) 770
	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)

Cause of Release: A filter pod developed a leak. The leak was isolated and the pump was turned off to stop the leak. Leak was inside a lined containment. Spill volume corrected.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2326224545
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? more than 25 bbls

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
yes; by Dale Woodall; to Mike Bratcher and the OCD; on 9/19/2023; via email

Initial Response

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

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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: Dale Woodall Title: Env. Professional

Signature: Dale Woodall Date: 9/22/2023

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Scott Rodgers Date: 09/22/2023

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2326224545
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?	54 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ 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 ☑ 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 ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** 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.***

- ☑ 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	NAPP2326224545
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: Environmental Professional

Signature: _____ Date: _____

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

Incident ID	NAPP2326224545
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

- ☑ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☑ Extents of contamination must be fully delineated.
- ☑ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Environmental Professional

Signature: _____ Date: _____

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

From: Wells, Shelly, EMNRD
To: Nathaniel Rose; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD
Cc: Chad Hensley
Subject: RE: [EXTERNAL] Liner Inspection
Date: Monday, October 16, 2023 9:54:17 AM
Attachments: image001.png
image002.png

This message originated from an **External Source**. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

Good morning Nathaniel,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Nathaniel Rose <nrose@talonlpe.com>
Sent: Monday, October 16, 2023 9:38 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Chad Hensley <chensley@talonlpe.com>
Subject: [EXTERNAL] Liner Inspection

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Talon on behalf of Devon with be conducting a liner inspection on 10/20/2023 at 10:00 am

Name: Hackberry 16 SWD 1
Also on 10/20/23
Long and Lat: 32.39147546 103.525524104
API: nAPP2326224545

Nathaniel Rose
Enviromental Technician I
Office: 575.746.8768 x
Cell: 575.706.7071

Fax: 575.746.8905
Emergency: 866.742.0742
Web: **www.talonlpe.com**

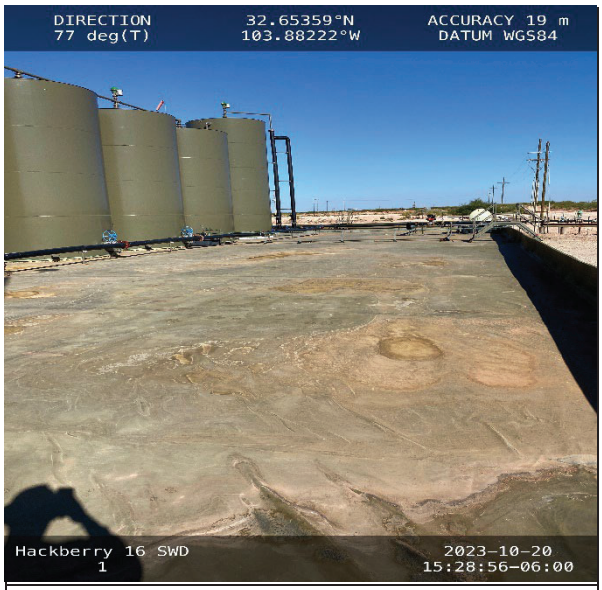
At Talon/LPE, we are quality in all things, including communication. Have a question? Need a quote? Send an email to clientrelations@talonlpe.com.

Appendix IV

Photographic Documentation

TALON LPE

Devon Hackberry 16 SWD 1
Eddy County, NM



Photograph No.1 Description:

Liner Inspection

Photograph No.2 Description:

Liner Inspection

Photograph No.3 Description:

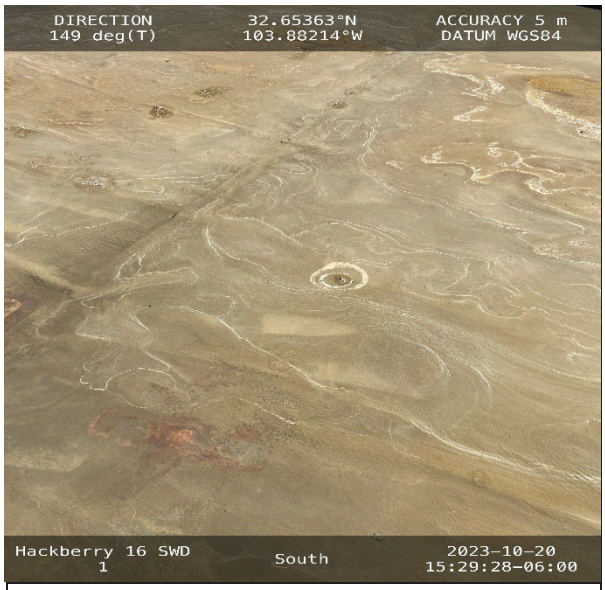
Liner Inspection

Photograph No.4 Description:

Liner Inspection

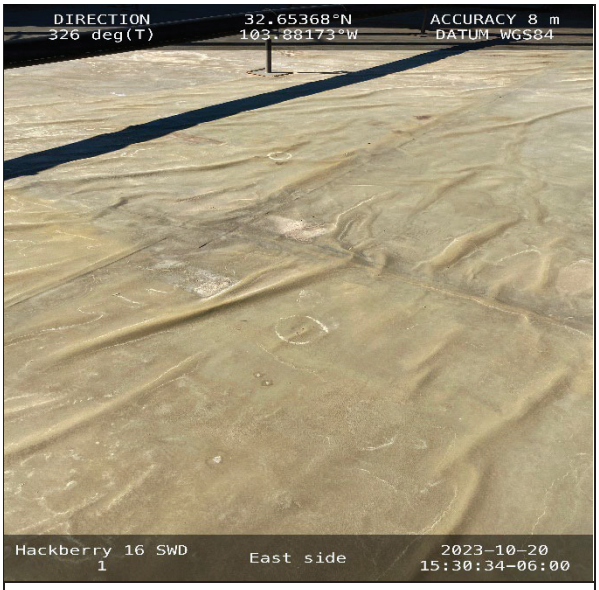
Photograph No.5 Description:

Identified Hole 1



Photograph No.6 Description:

Identified Hole 2



Photograph No.7 Description:

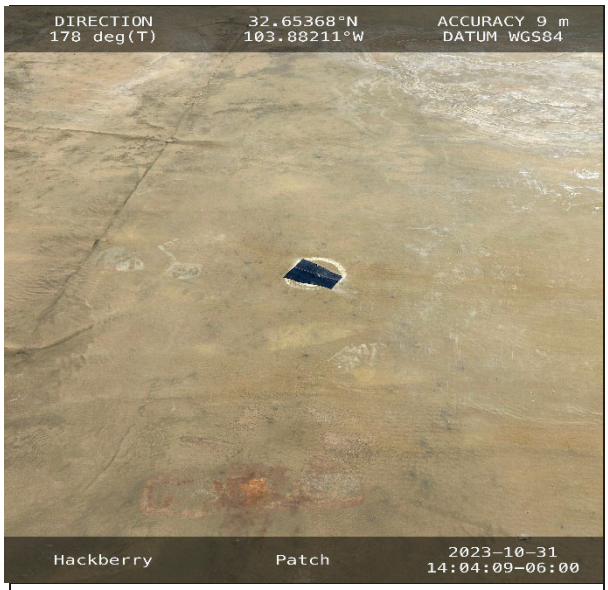
Identified Hole 3

Photograph No.8 Description:

Identified Hole 4

Photograph No.9 Description:

Patched Hole 1



Photograph No.10 Description:

Patched Hole 2

Photograph No.11 Description:

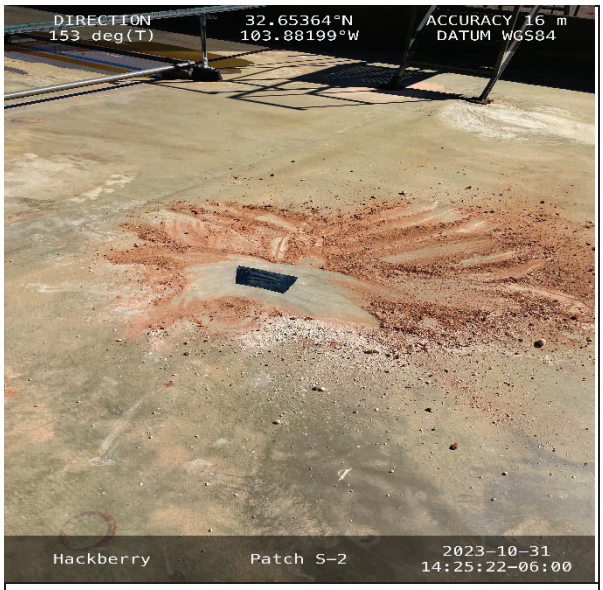
Patched Hole 3

Photograph No.12 Description:

Patched Hole 4

Photograph No.13 Description:

Patched Sample Point S-1



Photograph No.14 Description:

Patched Sample Point S-2

Photograph No.15 Description:

Sample Point S-3

Photograph No.16 Description:

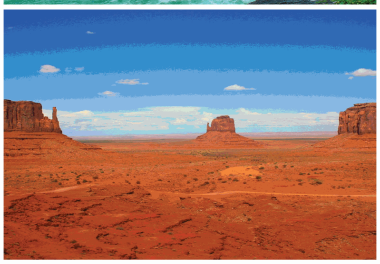
Patched Sample Point S-3

Appendix V

Laboratory Reports

Report to:

Chad Hensley



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Talon LPE

Project Name:	Hackberry Devon
Work Order:	E311168
Job Number:	23042-0001
Received:	11/18/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/28/23

Date Reported: 11/28/23

Chad Hensley
408 W Texas Ave
Artesia, NM 88210

Project Name: Hackberry Devon
Workorder: E311168
Date Received: 11/18/2023 7:30:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/18/2023 7:30:00AM, under the Project Name: Hackberry Devon.

The analytical test results summarized in this report with the Project Name: Hackberry Devon 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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

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Sample Custody Officer
Office: 505-632-1881
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Client Representative
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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Talon LPE	Project Name:	Hackberry Devon	**Reported:**
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/23 16:03

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
s-3 6'	E311168-01A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.
s-3 7'	E311168-02A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.
s-3 8'	E311168-03A	Soil	11/15/23	11/18/23	Glass Jar, 2 oz.

Sample Data

Talon LPE	Project Name:	Hackberry Devon	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/2023 4:03:06PM

s-3 6'

E311168-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2347069
Benzene	ND	0.0250	1	11/21/23	11/28/23	
Ethylbenzene	ND	0.0250	1	11/21/23	11/28/23	
Toluene	ND	0.0250	1	11/21/23	11/28/23	
o-Xylene	ND	0.0250	1	11/21/23	11/28/23	
p,m-Xylene	ND	0.0500	1	11/21/23	11/28/23	
Total Xylenes	ND	0.0250	1	11/21/23	11/28/23	
Surrogate: Bromofluorobenzene		*96.9 %*	*70-130*	*11/21/23*	*11/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*11/21/23*	*11/28/23*	
Surrogate: Toluene-d8		*91.7 %*	*70-130*	*11/21/23*	*11/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2347069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/23	11/28/23	
Surrogate: Bromofluorobenzene		*96.9 %*	*70-130*	*11/21/23*	*11/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.2 %*	*70-130*	*11/21/23*	*11/28/23*	
Surrogate: Toluene-d8		*91.7 %*	*70-130*	*11/21/23*	*11/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2348003
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/28/23	
Surrogate: n-Nonane		*85.4 %*	*50-200*	*11/27/23*	*11/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348013
Chloride	**190**	20.0	1	11/27/23	11/27/23	

Sample Data

Talon LPE	Project Name:	Hackberry Devon	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/2023 4:03:06PM

s-3 7'

E311168-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2347069
Benzene	ND	0.0250	1	11/21/23	11/28/23	
Ethylbenzene	ND	0.0250	1	11/21/23	11/28/23	
Toluene	ND	0.0250	1	11/21/23	11/28/23	
o-Xylene	ND	0.0250	1	11/21/23	11/28/23	
p,m-Xylene	ND	0.0500	1	11/21/23	11/28/23	
Total Xylenes	ND	0.0250	1	11/21/23	11/28/23	
Surrogate: Bromofluorobenzene		*96.6 %*	*70-130*	*11/21/23*	*11/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*11/21/23*	*11/28/23*	
Surrogate: Toluene-d8		*93.5 %*	*70-130*	*11/21/23*	*11/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2347069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/23	11/28/23	
Surrogate: Bromofluorobenzene		*96.6 %*	*70-130*	*11/21/23*	*11/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.3 %*	*70-130*	*11/21/23*	*11/28/23*	
Surrogate: Toluene-d8		*93.5 %*	*70-130*	*11/21/23*	*11/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2348003
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/28/23	
Surrogate: n-Nonane		*84.7 %*	*50-200*	*11/27/23*	*11/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348013
Chloride	**681**	20.0	1	11/27/23	11/27/23	

Sample Data

Talon LPE	Project Name:	Hackberry Devon	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/2023 4:03:06PM

s-3 8'

E311168-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2347069
Benzene	ND	0.0250	1	11/21/23	11/28/23	
Ethylbenzene	ND	0.0250	1	11/21/23	11/28/23	
Toluene	ND	0.0250	1	11/21/23	11/28/23	
o-Xylene	ND	0.0250	1	11/21/23	11/28/23	
p,m-Xylene	ND	0.0500	1	11/21/23	11/28/23	
Total Xylenes	ND	0.0250	1	11/21/23	11/28/23	
Surrogate: Bromofluorobenzene		*96.5 %*	*70-130*	*11/21/23*	*11/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*	*70-130*	*11/21/23*	*11/28/23*	
Surrogate: Toluene-d8		*93.5 %*	*70-130*	*11/21/23*	*11/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2347069
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/21/23	11/28/23	
Surrogate: Bromofluorobenzene		*96.5 %*	*70-130*	*11/21/23*	*11/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*	*70-130*	*11/21/23*	*11/28/23*	
Surrogate: Toluene-d8		*93.5 %*	*70-130*	*11/21/23*	*11/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2348003
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/28/23	
Surrogate: n-Nonane		*82.3 %*	*50-200*	*11/27/23*	*11/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348013
Chloride	**374**	200	10	11/27/23	11/27/23	

QC Summary Data

Talon LPE	Project Name:	Hackberry Devon	**Reported:**
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/2023 4:03:06PM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2347069-BLK1)									Prepared: 11/21/23 Analyzed: 11/27/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.489*		*0.500*		*97.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.2*	*70-130*			
Surrogate: Toluene-d8	*0.456*		*0.500*		*91.2*	*70-130*			
LCS (2347069-BS1)									Prepared: 11/21/23 Analyzed: 11/27/23
Benzene	2.29	0.0250	2.50		91.5	70-130			
Ethylbenzene	2.04	0.0250	2.50		81.7	70-130			
Toluene	1.99	0.0250	2.50		79.5	70-130			
o-Xylene	1.92	0.0250	2.50		76.9	70-130			
p,m-Xylene	3.78	0.0500	5.00		75.6	70-130			
Total Xylenes	5.70	0.0250	7.50		76.0	70-130			
Surrogate: Bromofluorobenzene	*0.485*		*0.500*		*96.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.461*		*0.500*		*92.1*	*70-130*			
Surrogate: Toluene-d8	*0.461*		*0.500*		*92.2*	*70-130*			
Matrix Spike (2347069-MS1)				**Source: E311163-06**					Prepared: 11/21/23 Analyzed: 11/27/23
Benzene	2.63	0.0250	2.50	ND	105	48-131			
Ethylbenzene	2.38	0.0250	2.50	ND	95.2	45-135			
Toluene	2.32	0.0250	2.50	ND	93.0	48-130			
o-Xylene	2.27	0.0250	2.50	ND	90.9	43-135			
p,m-Xylene	4.46	0.0500	5.00	ND	89.2	43-135			
Total Xylenes	6.73	0.0250	7.50	ND	89.8	43-135			
Surrogate: Bromofluorobenzene	*0.479*		*0.500*		*95.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.479*		*0.500*		*95.7*	*70-130*			
Surrogate: Toluene-d8	*0.465*		*0.500*		*93.0*	*70-130*			
Matrix Spike Dup (2347069-MSD1)				**Source: E311163-06**					Prepared: 11/21/23 Analyzed: 11/27/23
Benzene	2.61	0.0250	2.50	ND	104	48-131	0.954	23	
Ethylbenzene	2.35	0.0250	2.50	ND	94.0	45-135	1.23	27	
Toluene	2.27	0.0250	2.50	ND	91.0	48-130	2.15	24	
o-Xylene	2.29	0.0250	2.50	ND	91.7	43-135	0.876	27	
p,m-Xylene	4.53	0.0500	5.00	ND	90.5	43-135	1.42	27	
Total Xylenes	6.82	0.0250	7.50	ND	90.9	43-135	1.24	27	
Surrogate: Bromofluorobenzene	*0.488*		*0.500*		*97.5*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.478*		*0.500*		*95.6*	*70-130*			
Surrogate: Toluene-d8	*0.467*		*0.500*		*93.4*	*70-130*			

QC Summary Data

Talon LPE	Project Name:	Hackberry Devon	**Reported:**
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/2023 4:03:06PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2347069-BLK1)									Prepared: 11/21/23 Analyzed: 11/27/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.489*		*0.500*		*97.7*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.491*		*0.500*		*98.2*	*70-130*			
Surrogate: Toluene-d8	*0.456*		*0.500*		*91.2*	*70-130*			
LCS (2347069-BS2)									Prepared: 11/21/23 Analyzed: 11/27/23
Gasoline Range Organics (C6-C10)	39.8	20.0	50.0		79.5	70-130			
Surrogate: Bromofluorobenzene	*0.487*		*0.500*		*97.3*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.464*		*0.500*		*92.8*	*70-130*			
Surrogate: Toluene-d8	*0.465*		*0.500*		*93.0*	*70-130*			
Matrix Spike (2347069-MS2)				**Source: E311163-06**					Prepared: 11/21/23 Analyzed: 11/27/23
Gasoline Range Organics (C6-C10)	41.0	20.0	50.0	ND	82.0	70-130			
Surrogate: Bromofluorobenzene	*0.495*		*0.500*		*99.0*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.8*	*70-130*			
Surrogate: Toluene-d8	*0.467*		*0.500*		*93.4*	*70-130*			
Matrix Spike Dup (2347069-MSD2)				**Source: E311163-06**					Prepared: 11/21/23 Analyzed: 11/27/23
Gasoline Range Organics (C6-C10)	42.6	20.0	50.0	ND	85.3	70-130	3.95	20	
Surrogate: Bromofluorobenzene	*0.500*		*0.500*		*100*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.472*		*0.500*		*94.4*	*70-130*			
Surrogate: Toluene-d8	*0.471*		*0.500*		*94.2*	*70-130*			

QC Summary Data

Talon LPE	Project Name:	Hackberry Devon	**Reported:**
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/2023 4:03:06PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2348003-BLK1)									Prepared: 11/27/23 Analyzed: 11/28/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*41.7*		*50.0*		*83.4*	*50-200*			
LCS (2348003-BS1)									Prepared: 11/27/23 Analyzed: 11/28/23
Diesel Range Organics (C10-C28)	250	25.0	250		100	38-132			
Surrogate: n-Nonane	*44.1*		*50.0*		*88.2*	*50-200*			
Matrix Spike (2348003-MS1)				**Source: E311162-08**					Prepared: 11/27/23 Analyzed: 11/28/23
Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.6	38-132			
Surrogate: n-Nonane	*43.7*		*50.0*		*87.5*	*50-200*			
Matrix Spike Dup (2348003-MSD1)				**Source: E311162-08**					Prepared: 11/27/23 Analyzed: 11/28/23
Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.4	38-132	2.29	20	
Surrogate: n-Nonane	*41.8*		*50.0*		*83.5*	*50-200*			

QC Summary Data

Talon LPE	Project Name:	Hackberry Devon	**Reported:**
408 W Texas Ave	Project Number:	23042-0001	
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/2023 4:03:06PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2348013-BLK1)									Prepared: 11/27/23 Analyzed: 11/27/23
Chloride	ND	20.0							
LCS (2348013-BS1)									Prepared: 11/27/23 Analyzed: 11/27/23
Chloride	248	20.0	250		99.1	90-110			
Matrix Spike (2348013-MS1)				**Source: E311164-03**					Prepared: 11/27/23 Analyzed: 11/27/23
Chloride	322	40.0	250	85.2	94.8	80-120			
Matrix Spike Dup (2348013-MSD1)				**Source: E311164-03**					Prepared: 11/27/23 Analyzed: 11/27/23
Chloride	331	40.0	250	85.2	98.4	80-120	2.75	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

Talon LPE	Project Name:	Hackberry Devon	
408 W Texas Ave	Project Number:	23042-0001	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	11/28/23 16:03

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

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

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

Project Information | Chain of Custody | Page 1 of 1

Client: Talon LPE	Bill To
Project: Hackberry Devon	Attention: Talon
Project Manager: C.Hensley	Address:
Address: 408 W. Texas Ave	City, State, Zip
City, State, Zip Artesia, NM 88210	Phone:
Phone: 575-746-8768	Email:
Email: chensley@talonlpe.com	
Report due by:	

Lab Use Only: Lab WO# E311168 | Job Number 23042-0001

TAT: 1D | 2D | 3D | Standard ✓

EPA Program: CWA | SDWA | RCRA

State: NM ✓ | CO | UT | AZ | TX

Analysis and Method: TPH GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | GDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1500	11/15/23	Soil	1	s-3 6'	1	✓	✓			✓			
1504	"	"	"	7'	2	"	"			"			
1512	"	"	"	8'	3	"	"			"			

Additional Instructions:

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:

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)	Date	Time	Received by: (Signature)	Date	Time
	11-15-23		Michelle Gaylor	11-17-23	1500
Michelle Gaylor	11-17-23	1700	Andrew Hughes	11-17-23	1800
Andrew Hughes	11-17-23	2400		11-18-23	730

Lab Use Only: Received on ice: (Y) N | T1 | T2 | T3 | AVG Temp °C 4

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

Envirotech Analytical Laboratory

Printed: 11/20/2023 1:35:53PM

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:	Talon LPE	Date Received:	11/18/23 07:30	Work Order ID:	E311168
Phone:	(575) 746-8768	Date Logged In:	11/18/23 10:40	Logged In By:	Alexa Michaels
Email:	chensley@talonlpe.com	Due Date:	11/28/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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

CARDINAL Laboratories

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

November 06, 2023

CHAD HENSLEY

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: DEVON HACKBERRY 16 SWD 1

Enclosed are the results of analyses for samples received by the laboratory on 11/01/23 8:24.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	11/01/2023	Sampling Date:	10/31/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	DEVON HACKBERRY 16 SWD 1	Sampling Condition:	Cool & Intact
Project Number:	700794.458.01	Sample Received By:	Dionica Hinojos
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 1 1' (H235978-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	2.20	110	2.00	2.95	
Toluene*	<0.050	0.050	11/03/2023	ND	2.20	110	2.00	3.37	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.21	110	2.00	3.82	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.83	114	6.00	3.20	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**480**	16.0	11/06/2023	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	224	112	200	3.22	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	225	112	200	0.0511	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *121 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	11/01/2023	Sampling Date:	10/31/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	DEVON HACKBERRY 16 SWD 1	Sampling Condition:	Cool & Intact
Project Number:	700794.458.01	Sample Received By:	Dionica Hinojos
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 1 2' (H235978-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	2.20	110	2.00	2.95	
Toluene*	<0.050	0.050	11/03/2023	ND	2.20	110	2.00	3.37	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.21	110	2.00	3.82	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.83	114	6.00	3.20	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1440**	16.0	11/06/2023	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	224	112	200	3.22	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	225	112	200	0.0511	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane *108 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *124 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	11/01/2023	Sampling Date:	10/31/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	DEVON HACKBERRY 16 SWD 1	Sampling Condition:	Cool & Intact
Project Number:	700794.458.01	Sample Received By:	Dionica Hinojos
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 1 3' (H235978-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	2.20	110	2.00	2.95	
Toluene*	<0.050	0.050	11/03/2023	ND	2.20	110	2.00	3.37	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.21	110	2.00	3.82	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.83	114	6.00	3.20	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**112**	16.0	11/06/2023	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	224	112	200	3.22	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	225	112	200	0.0511	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane *99.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *118 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	11/01/2023	Sampling Date:	10/31/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	DEVON HACKBERRY 16 SWD 1	Sampling Condition:	Cool & Intact
Project Number:	700794.458.01	Sample Received By:	Dionica Hinojos
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 1 4' (H235978-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	2.20	110	2.00	2.95	
Toluene*	<0.050	0.050	11/03/2023	ND	2.20	110	2.00	3.37	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.21	110	2.00	3.82	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.83	114	6.00	3.20	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**176**	16.0	11/06/2023	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	224	112	200	3.22	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	225	112	200	0.0511	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane *114 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *130 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	11/01/2023	Sampling Date:	10/31/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	DEVON HACKBERRY 16 SWD 1	Sampling Condition:	Cool & Intact
Project Number:	700794.458.01	Sample Received By:	Dionica Hinojos
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 2 1' (H235978-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	2.20	110	2.00	2.95	
Toluene*	<0.050	0.050	11/03/2023	ND	2.20	110	2.00	3.37	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.21	110	2.00	3.82	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.83	114	6.00	3.20	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**528**	16.0	11/06/2023	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	224	112	200	3.22	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	225	112	200	0.0511	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane *99.7 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *116 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	11/01/2023	Sampling Date:	10/31/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	DEVON HACKBERRY 16 SWD 1	Sampling Condition:	Cool & Intact
Project Number:	700794.458.01	Sample Received By:	Dionica Hinojos
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 2 2' (H235978-06)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	2.20	110	2.00	2.95	
Toluene*	<0.050	0.050	11/03/2023	ND	2.20	110	2.00	3.37	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.21	110	2.00	3.82	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.83	114	6.00	3.20	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	11/06/2023	ND	448	112	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	224	112	200	3.22	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	225	112	200	0.0511	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane *98.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *117 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	11/01/2023	Sampling Date:	10/31/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	DEVON HACKBERRY 16 SWD 1	Sampling Condition:	Cool & Intact
Project Number:	700794.458.01	Sample Received By:	Dionica Hinojos
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 2 3' (H235978-07)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2023	ND	2.20	110	2.00	2.95	
Toluene*	<0.050	0.050	11/04/2023	ND	2.20	110	2.00	3.37	
Ethylbenzene*	<0.050	0.050	11/04/2023	ND	2.21	110	2.00	3.82	
Total Xylenes*	<0.150	0.150	11/04/2023	ND	6.83	114	6.00	3.20	
Total BTEX	<0.300	0.300	11/04/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	11/06/2023	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	224	112	200	3.22	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	225	112	200	0.0511	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane *104 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *120 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	11/01/2023	Sampling Date:	10/31/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	DEVON HACKBERRY 16 SWD 1	Sampling Condition:	Cool & Intact
Project Number:	700794.458.01	Sample Received By:	Dionica Hinojos
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 2 4' (H235978-08)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	2.08	104	2.00	4.87	
Toluene*	<0.050	0.050	11/03/2023	ND	2.17	108	2.00	6.14	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.16	108	2.00	4.87	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.43	107	6.00	5.12	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	11/06/2023	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	224	112	200	3.22	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	225	112	200	0.0511	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane *98.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *112 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	11/01/2023	Sampling Date:	10/31/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	DEVON HACKBERRY 16 SWD 1	Sampling Condition:	Cool & Intact
Project Number:	700794.458.01	Sample Received By:	Dionica Hinojos
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 3 1' (H235978-09)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	2.08	104	2.00	4.87	
Toluene*	<0.050	0.050	11/03/2023	ND	2.17	108	2.00	6.14	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.16	108	2.00	4.87	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.43	107	6.00	5.12	
Total BTEX	<0.300	0.300	11/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.3 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**6720**	16.0	11/06/2023	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	224	112	200	3.22	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	225	112	200	0.0511	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane *106 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *122 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	11/01/2023	Sampling Date:	10/31/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	DEVON HACKBERRY 16 SWD 1	Sampling Condition:	Cool & Intact
Project Number:	700794.458.01	Sample Received By:	Dionica Hinojos
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 3 2' (H235978-10)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	2.08	104	2.00	4.87	
Toluene*	<0.050	0.050	11/03/2023	ND	2.17	108	2.00	6.14	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.16	108	2.00	4.87	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.43	107	6.00	5.12	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1580**	16.0	11/06/2023	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	224	112	200	3.22	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	225	112	200	0.0511	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane *103 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *118 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	11/01/2023	Sampling Date:	10/31/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	DEVON HACKBERRY 16 SWD 1	Sampling Condition:	Cool & Intact
Project Number:	700794.458.01	Sample Received By:	Dionica Hinojos
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 3 3' (H235978-11)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	2.08	104	2.00	4.87	
Toluene*	<0.050	0.050	11/03/2023	ND	2.17	108	2.00	6.14	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.16	108	2.00	4.87	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.43	107	6.00	5.12	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3200**	16.0	11/06/2023	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	224	112	200	3.22	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	225	112	200	0.0511	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane *100 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *116 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TALON LPE
CHAD HENSLEY
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	11/01/2023	Sampling Date:	10/31/2023
Reported:	11/06/2023	Sampling Type:	Soil
Project Name:	DEVON HACKBERRY 16 SWD 1	Sampling Condition:	Cool & Intact
Project Number:	700794.458.01	Sample Received By:	Dionica Hinojos
Project Location:	MATADOR - EDDY CO NM		

Sample ID: S - 3 4' (H235978-12)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2023	ND	2.08	104	2.00	4.87	
Toluene*	<0.050	0.050	11/03/2023	ND	2.17	108	2.00	6.14	
Ethylbenzene*	<0.050	0.050	11/03/2023	ND	2.16	108	2.00	4.87	
Total Xylenes*	<0.150	0.150	11/03/2023	ND	6.43	107	6.00	5.12	
Total BTEX	<0.300	0.300	11/03/2023	ND					

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2000**	16.0	11/06/2023	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	224	112	200	3.22	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	225	112	200	0.0511	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					

Surrogate: 1-Chlorooctane *129 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *148 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE		BILL TO	
Project Manager: C. Hensley		P.O. #:	
Address: 408 W. Texas Ave		Company: Talon Lpe	
City: Artesia	State: NM Zip: 88210	Attn:	
Phone #: 575.746.8768	Fax #:	Address:	
Project #: 700794.458.01	Project Owner: Matador	City:	
Project Name: DevonHackberry16SWD1		State: Zip:	
Project Location: Eddy County		Phone #:	
Sampler Name: N. Rose		Fax #:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	CL	BTEX	TPH
H235977																	
1	S-1 1'	G	1			✓					X		10/31	1256	✓	✓	✓
2	2'		1			✓								1305	✓	✓	✓
3	3'		1			✓								1316	✓	✓	✓
4	4'		1			✓								1320	✓	✓	✓
5	S-2 1'		1			✓								1333	✓	✓	✓
6	2'		1			✓								1341	✓	✓	✓
7	3'		1			✓								1346	✓	✓	✓
8	4'		1			✓								1400	✓	✓	✓
9	S-3 1'		1			✓								1415	✓	✓	✓
10	2'		1			✓								1419	✓	✓	✓

Relinquished By:	Date: 10.31.23	Received By:	
	Time: 8:24		
Relinquished By:	Date:	Received By:	
	Time:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	2.4°C #140	Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No	CHECKED BY: (Initials) DA

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS: 1-2

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE	**BILL TO**
Project Manager: C. Hensley	P.O. #:
Address: 408 W. Texas Ave	Company: Talon Lpe
City: Artesia State: NM Zip: 88210	Attn:
Phone #: 575.746.8768 Fax #:	Address:
Project #: 700794.458.01 Project Owner: Matador	City:
Project Name: DevonHackberry16SWD1	State: Zip:
Project Location: Eddy County	Phone #:
Sampler Name: N. Rose	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: CL	BTEX	TPH
11	S-3 3'	G	1			✓					X		10/31	1426	✓	✓	✓
12	4'	G	1			✓					X		10/31	1439	✓	✓	✓

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Bartlett Medley	Date: 11-1-23 Time: 8:34	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	2-4°c #140	Sample Condition Cool: ☐ Yes ☐ No Intact: ☐ Yes ☐ No	CHECKED BY: (Initials) DA

REMARKS: 2-2

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Report to:

Chad Hensley

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Talon LPE

Project Name:	Hackberry
Work Order:	E312172
Job Number:	01058-0007
Received:	12/27/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/2/24

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.
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 1/2/24

Chad Hensley
408 W Texas Ave
Artesia, NM 88210

Project Name: Hackberry
Workorder: E312172
Date Received: 12/27/2023 8:00:00AM

Chad Hensley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/27/2023 8:00:00AM, under the Project Name: Hackberry.

The analytical test results summarized in this report with the Project Name: Hackberry 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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Talon LPE	Project Name:	Hackberry	**Reported:**
408 W Texas Ave	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Chad Hensley	01/02/24 14:58

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG1 Surface	E312172-01A	Soil	12/18/23	12/27/23	Glass Jar, 2 oz.
BG2 Surface	E312172-02A	Soil	12/18/23	12/27/23	Glass Jar, 2 oz.
BG3 Surface	E312172-03A	Soil	12/18/23	12/27/23	Glass Jar, 2 oz.
BG4 Surface	E312172-04A	Soil	12/18/23	12/27/23	Glass Jar, 2 oz.

Sample Data

Talon LPE	Project Name:	Hackberry	
408 W Texas Ave	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	1/2/2024 2:58:27PM

BG1 Surface

E312172-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2352008
Benzene	ND	0.0250	1	12/27/23	12/28/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/28/23	
Toluene	ND	0.0250	1	12/27/23	12/28/23	
o-Xylene	ND	0.0250	1	12/27/23	12/28/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/28/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*90.7 %*	*70-130*	*12/27/23*	*12/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2352008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.3 %*	*70-130*	*12/27/23*	*12/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2352020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/28/23	12/28/23	
Surrogate: n-Nonane		*82.4 %*	*50-200*	*12/28/23*	*12/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352023
Chloride	ND	20.0	1	12/28/23	12/28/23	

Sample Data

Talon LPE	Project Name:	Hackberry	
408 W Texas Ave	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	1/2/2024 2:58:27PM

BG2 Surface

E312172-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2352008
Benzene	ND	0.0250	1	12/27/23	12/28/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/28/23	
Toluene	ND	0.0250	1	12/27/23	12/28/23	
o-Xylene	ND	0.0250	1	12/27/23	12/28/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/28/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*91.2 %*	*70-130*	*12/27/23*	*12/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2352008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*12/27/23*	*12/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2352020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/28/23	12/28/23	
Surrogate: n-Nonane		*80.4 %*	*50-200*	*12/28/23*	*12/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352023
Chloride	ND	20.0	1	12/28/23	12/28/23	

Sample Data

Talon LPE	Project Name:	Hackberry	
408 W Texas Ave	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	1/2/2024 2:58:27PM

BG3 Surface

E312172-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2352008
Benzene	ND	0.0250	1	12/27/23	12/28/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/28/23	
Toluene	ND	0.0250	1	12/27/23	12/28/23	
o-Xylene	ND	0.0250	1	12/27/23	12/28/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/28/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*12/27/23*	*12/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2352008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*12/27/23*	*12/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2352020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/28/23	12/28/23	
Surrogate: n-Nonane		*85.8 %*	*50-200*	*12/28/23*	*12/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352023
Chloride	ND	20.0	1	12/28/23	12/28/23	

Sample Data

Talon LPE	Project Name:	Hackberry	
408 W Texas Ave	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	1/2/2024 2:58:27PM

BG4 Surface

E312172-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2352008
Benzene	ND	0.0250	1	12/27/23	12/28/23	
Ethylbenzene	ND	0.0250	1	12/27/23	12/28/23	
Toluene	ND	0.0250	1	12/27/23	12/28/23	
o-Xylene	ND	0.0250	1	12/27/23	12/28/23	
p,m-Xylene	ND	0.0500	1	12/27/23	12/28/23	
Total Xylenes	ND	0.0250	1	12/27/23	12/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*91.3 %*	*70-130*	*12/27/23*	*12/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2352008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/27/23	12/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*12/27/23*	*12/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2352020
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/23	12/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/28/23	12/28/23	
Surrogate: n-Nonane		*84.7 %*	*50-200*	*12/28/23*	*12/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2352023
Chloride	ND	20.0	1	12/28/23	12/28/23	

QC Summary Data

Talon LPE	Project Name:	Hackberry	**Reported:**
408 W Texas Ave	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Chad Hensley	1/2/2024 2:58:27PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2352008-BLK1)									Prepared: 12/27/23 Analyzed: 12/28/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.32*		*8.00*		*91.6*	*70-130*			
LCS (2352008-BS1)									Prepared: 12/27/23 Analyzed: 12/28/23
Benzene	4.77	0.0250	5.00		95.4	70-130			
Ethylbenzene	4.98	0.0250	5.00		99.6	70-130			
Toluene	4.97	0.0250	5.00		99.4	70-130			
o-Xylene	4.99	0.0250	5.00		99.8	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.29*		*8.00*		*91.1*	*70-130*			
Matrix Spike (2352008-MS1)				**Source: E312171-21**					Prepared: 12/27/23 Analyzed: 12/28/23
Benzene	4.59	0.0250	5.00	ND	91.8	54-133			
Ethylbenzene	4.79	0.0250	5.00	ND	95.8	61-133			
Toluene	4.77	0.0250	5.00	ND	95.5	61-130			
o-Xylene	4.80	0.0250	5.00	ND	96.0	63-131			
p,m-Xylene	9.75	0.0500	10.0	ND	97.5	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	97.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.34*		*8.00*		*91.8*	*70-130*			
Matrix Spike Dup (2352008-MSD1)				**Source: E312171-21**					Prepared: 12/27/23 Analyzed: 12/28/23
Benzene	4.51	0.0250	5.00	ND	90.2	54-133	1.73	20	
Ethylbenzene	4.72	0.0250	5.00	ND	94.5	61-133	1.37	20	
Toluene	4.71	0.0250	5.00	ND	94.1	61-130	1.42	20	
o-Xylene	4.77	0.0250	5.00	ND	95.4	63-131	0.661	20	
p,m-Xylene	9.64	0.0500	10.0	ND	96.4	63-131	1.17	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.0	63-131	1.00	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.29*		*8.00*		*91.2*	*70-130*			

QC Summary Data

Talon LPE	Project Name:	Hackberry	**Reported:**
408 W Texas Ave	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Chad Hensley	1/2/2024 2:58:27PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2352008-BLK1)									Prepared: 12/27/23 Analyzed: 12/28/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.50*		*8.00*		*93.8*	*70-130*			
LCS (2352008-BS2)									Prepared: 12/27/23 Analyzed: 12/28/23
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.66*		*8.00*		*95.7*	*70-130*			
Matrix Spike (2352008-MS2)				**Source: E312171-21**					Prepared: 12/27/23 Analyzed: 12/28/23
Gasoline Range Organics (C6-C10)	49.6	20.0	50.0	ND	99.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.61*		*8.00*		*95.2*	*70-130*			
Matrix Spike Dup (2352008-MSD2)				**Source: E312171-21**					Prepared: 12/27/23 Analyzed: 12/28/23
Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.5	70-130	0.268	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.61*		*8.00*		*95.1*	*70-130*			

QC Summary Data

Talon LPE	Project Name:	Hackberry	**Reported:**
408 W Texas Ave	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Chad Hensley	1/2/2024 2:58:27PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2352020-BLK1)									Prepared: 12/28/23 Analyzed: 12/28/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.0*		*50.0*		*90.0*	*50-200*			
LCS (2352020-BS1)									Prepared: 12/28/23 Analyzed: 12/28/23
Diesel Range Organics (C10-C28)	271	25.0	250		108	38-132			
Surrogate: n-Nonane	*50.6*		*50.0*		*101*	*50-200*			
Matrix Spike (2352020-MS1)				**Source: E312172-03**					Prepared: 12/28/23 Analyzed: 12/28/23
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	*47.8*		*50.0*		*95.6*	*50-200*			
Matrix Spike Dup (2352020-MSD1)				**Source: E312172-03**					Prepared: 12/28/23 Analyzed: 12/28/23
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132	0.00971	20	
Surrogate: n-Nonane	*47.1*		*50.0*		*94.2*	*50-200*			

QC Summary Data

Talon LPE	Project Name:	Hackberry	**Reported:**
408 W Texas Ave	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Chad Hensley	1/2/2024 2:58:27PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2352023-BLK1)									Prepared: 12/28/23 Analyzed: 12/28/23
Chloride	ND	20.0							
LCS (2352023-BS1)									Prepared: 12/28/23 Analyzed: 12/28/23
Chloride	248	20.0	250		99.1	90-110			
Matrix Spike (2352023-MS1)				**Source: E312172-02**					Prepared: 12/28/23 Analyzed: 12/28/23
Chloride	252	20.0	250	ND	101	80-120			
Matrix Spike Dup (2352023-MSD1)				**Source: E312172-02**					Prepared: 12/28/23 Analyzed: 12/28/23
Chloride	251	20.0	250	ND	100	80-120	0.549	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

Talon LPE	Project Name:	Hackberry	
408 W Texas Ave	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Chad Hensley	01/02/24 14:58

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

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

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

Project Information | Chain of Custody | Page 1 of 1

Client:	Talon LPE
Project:	HackBerry
Project Manager:	Chad Hensley
Address:	408 W. Texas Ave
City, State, Zip	Artesia, NM 88210
Phone:	575-746-8768
Email:	chensley@talonlpe.com
Report due by:	

Bill To

Attention:	Dale Woodall
Address:	Devon
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
E312172	01058-0007

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
1645	12/18/23	soil	1	BG1 surface	1	X	X			X			
1705	〃	〃	〃	BG2	2	〃	〃			〃			
1727	〃	〃	〃	BG3	3	〃	〃			〃			
1736	〃	〃	〃	BG4	4	〃	〃			〃			

Analysis and Method

Additional Instructions:

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:

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)	Date	Time	Received by: (Signature)	Date	Time
	12-19-23		Michelle Garcia	12.22.23	1315
Michelle Garcia	12-22-23	1445		12.22.23	1800
	12-22-23	2400	Jmanteno	12/27/23	8:00

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

Envirotech Analytical Laboratory

Printed: 12/27/2023 11:29:31AM

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:	Talon LPE	Date Received:	12/27/23 08:00	Work Order ID:	E312172
Phone:	(575) 746-8768	Date Logged In:	12/27/23 08:38	Logged In By:	Jordan Montano
Email:	chensley@talonlpe.com	Due Date:	01/03/24 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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 Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	No	
Collectors name?	No	

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Appendix VI

Analytical Data Tables

Table 1 : Appendix VI

Grab Samples

Incident #NAPP2326224545

Hackberry 16 SWD 1									
Sample ID	**Sample Date**	**Depth (BGS)**	**Benzene mg/kg**	**BTEX mg/kg**	**GRO mg/kg**	**DRO mg/kg**	**MRO mg/kg**	**Total TPH mg/kg**	**Chlorides mg/kg**
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			**10 mg/kg**	**50 mg/kg**	**DRO + GRO + MRO combined = 100 mg/kg**			**100 mg/kg**	**600 mg/kg**
S-1	10/31/23	1'	ND	ND	ND	ND	ND	0	480
	10/31/23	2'	ND	ND	ND	ND	ND	0	1440
	10/31/23	3'	ND	ND	ND	ND	ND	0	112
	10/31/23	4'	ND	ND	ND	ND	ND	0	176
S-2	10/31/23	1'	ND	ND	ND	ND	ND	0	528
	10/31/23	2'	ND	ND	ND	ND	ND	0	48
	10/31/23	3'	ND	ND	ND	ND	ND	0	48
	10/31/23	4'	ND	ND	ND	ND	ND	0	48
S-3	10/31/23	1'	ND	ND	ND	ND	ND	0	6720
	10/31/23	2'	ND	ND	ND	ND	ND	0	1580
	10/31/23	3'	ND	ND	ND	ND	ND	0	3200
	10/31/23	4'	ND	ND	ND	ND	ND	0	2000
	11/15/23	6'	ND	ND	ND	ND	ND	0	190
	11/15/23	7'	ND	ND	ND	ND	ND	0	681
	11/15/23	8'	ND	ND	ND	ND	ND	0	374
BG-1	12/27/23	Surface	ND	ND	ND	ND	ND	0	ND
BG-2	12/27/23	Surface	ND	ND	ND	ND	ND	0	ND
BG-3	12/27/23	Surface	ND	ND	ND	ND	ND	0	ND
BG-4	12/27/23	Surface	ND	ND	ND	ND	ND	0	ND

NOTES:

BGS	Below ground surface
mg/kg	Milligrams per kilogram
TPH	Total Petroleum Hydrocarbons
GRO	Gasoline range organics
DRO	Diesel range organics
MRO	Motor oil range organics
S	Sample
ND	Analyte Not Detected
BG	Background Samples

Highlighted cells indicate exceedance of NMOCD Table 1 Closure Criteria

Appendix VII

Liner Certification Form

Liner Integrity Certification

The following serves to verify that the affected liner has been inspected and found to be in serviceable condition in accordance with 19.15.29.11 A.(5)(a)(i-ii) of the New Mexico Administrative Code.

Facility ID: N/A

Date: 11/28/23

Incident ID(s): NAPP2326224545

☑ Responsible Party has visually inspected the liner.

☒ Liner remains intact and was able to contain the leak in question.

☑ At least two business days' notice was given to the appropriate division district office before conducting the liner inspection.

☑ Photographs illustrating liner integrity are included.

Notes:

Nathan Rose

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

QUESTIONS

Action 301899

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 301899
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2326224545**
Incident Name	**NAPP2326224545 HACKBERRY 16 SWD 1 @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Deferral Request Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	HACKBERRY 16 SWD 1
Date Release Discovered	09/19/2023
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Pump | Produced Water | Released: 772 BBL | Recovered: 770 BBL | Lost: 2 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Devon Energy discovered a 772 bbl (estimated) release inside the lined containment at the Hackberry 16 SWD #1. A filter pod developed a leak. The leak was isolated and the pump was turned off to stop the leak. Trucks have been contacted to pick up the fluid

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 301899
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 01/10/2024

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 301899
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Estimate or Other
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Zero feet, overlying, or within area
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	6720
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	11/28/2023
On what date will (or did) the final sampling or liner inspection occur	11/28/2023
On what date will (or was) the remediation complete(d)	11/28/2023
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 301899
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	deferral requested.
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	

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

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 301899
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	tank battery and supporting infrastructure
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	11446
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	950
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (f#) on which this deferral should be granted	HACKBERRY 16 SWD 1 [fAPP2130251588]
Enter the well API (30-) on which this deferral should be granted	30-015-41783 HACKBERRY 16 SWD #001
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
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QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	6137
	Action Number: 301899
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**313767**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**02/16/2024**
What was the (estimated) number of samples that were to be gathered	**17**
What was the sampling surface area in square feet	**3000**

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

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CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 301899
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scwells	Deferral approved. Deferral of sample points S-1 and S-3 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	3/21/2024