Volume calculator

There was no volume calculator prepared when the spill occurred.

ADDENDUM

Location name: Todd 14 Battery OCD Spill Number: nRM2000935403 From: Dale Woodall, Devon Energy Date: 5/30/2024

Since this report for the above referenced spill was written, there has been an update in the status of the PODs for the location.

A review of New Mexico Office of the State Engineers (OSE) online water well database (New Mexico Office of the State Engineer (NMOSE) online water well database <u>https://gis.ose.state.nm.us/gisapps/ose_pod_locations/</u>).

C4712-POD 4 is within ½ mile radius and less than 25 years old.

C4712-POD 4 (installed in 2023) did not encounter groundwater to a depth of 55 feet below ground surface and is within 0.5 miles of the location

The spill was remediated to criteria for DTW of 51-100 feet bgs.

Boring log of the well C-4712 POD 4 is attached.

A map denoting the location of C-4712 POD 4 and Todd 14 Battery is attached.

From:	Hamlet, Robert, EMNRD
To:	<u>DeHoyos, Kendra</u>
Cc:	Bratcher, Mike, EMNRD; Eads, Cristina, EMNRD; Hensley, Chad, EMNRD; BLM_NM_CFO_Spill@blm.gov
Subject:	Closure Denied - Devon - Todd 14 Battery - (Incident #NRM2000935403)
Date:	Monday, February 15, 2021 3:16:00 PM
Attachments:	Closure Denied - Devon - Todd 14 Battery - (NRM2000935403).pdf

Kendra,

We have received your closure report and final C-141 for **Incident #NRM2000935403** Todd 14 **Battery**, thank you. This closure is denied.

- When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided. If evidence of depth to ground water within a ½ mile radius of the site cannot be provided, impacted soils will need to meet Table 1 Closure Criteria for ground water at a depth of 50 feet or less.
- Sample points BS20-01, BS20-03, and BS20-04 will need to be remediated to 600 mg/kg for chlorides, unless other data is provided or a borehole is drilled to 51' allowing for verification of the depth (10,000 mg/kg for chlorides).

Please let me know if you have any further questions.

Regards,

Robert Hamlet • Environmental Specialist - Advanced Environmental Bureau EMNRD - Oil Conservation Division 811 S. First Street | Artesia, NM 88210 575.909.0302 | robert.hamlet@state.nm.us http://www.emnrd.state.nm.us/OCD/

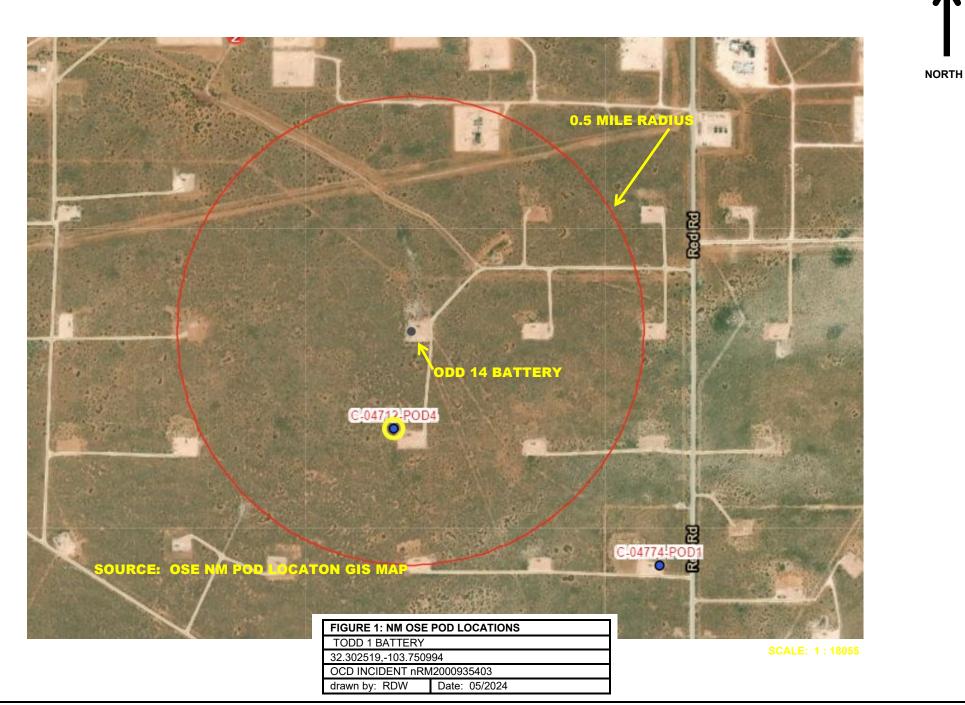


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5/30/24 10:56 AM

WATER RIGHT SUMMARY

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THE STATE

WELL RECORD & LOG OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

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Mike A. Hamman, P.E. State Engineer



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr: 743189 File Nbr: C 04712 Well File Nbr: C 04712 POD4

Apr. 04, 2023

VERTEX RESOURCES P.O. BOX 936 ROSWELL, NM 88202

Greetings:

The above numbered permit was issued in your name on 02/21/2023.

The Well Record was received in this office on 04/04/2023, stating that it had been completed on 03/09/2023, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 02/21/2024.

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

Sincerely, ionguon)

Maret Thompson (575)622-6521

drywell



August 31, 2020 (amended 5/24/2024)

Vertex Project #: 20E-00141-024

Spill Closure Report:	Todd 14 Battery			
	Unit K, Section 14, Township 23 South, Range 31 East			
	County: Eddy			
	Incident Tracking Number: NRM2000935403			
Prepared For:	Devon Energy Production Company			
	6488 Seven Rivers Highway			

Artesia, New Mexico 88210

New Mexico Oil Conservation Division – District 2 – Artesia 811 South First Street Artesia, New Mexico 88210

Devon Energy Production Company (Devon) retained Vertex Resource Services Inc. (Vertex) to conduct a spill assessment and remediation for a produced water release that occurred on August 20, 2019, at the Todd 14 Battery (hereafter referred to as "Todd 14"). Devon provided notification of the release to New Mexico Oil Conservation Division (NM OCD) District 2 and the Bureau of Land Management (BLM), who owns the land, on August 21, 2019, via submission of an initial C-141 Release Notification (Attachment 1). The NM OCD incident tracking number assigned to the release is NRM2000935403.

This letter provides a description of the spill assessment and remediation activities, and demonstrates that closure criteria established in 19.15.29.12 *New Mexico Administrative Code* (NMAC; New Mexico Oil Conservation Division, 2018) have been met and all applicable regulations are being followed. This document is intended to serve as a final report to obtain approval from NM OCD for closure of this release.

Incident Description

On August 20, 2019, a release occurred at Devon's Todd 14 site when a produced water tank developed a leak on the bottom of the tank. This incident resulted in the release of approximately 7.4 barrels (bbls) of produced water into the bermed, but unlined, secondary containment. Upon discovery of the release, the tank was repaired and a hydrovac truck was dispatched to site to recover free fluid. Approximately 4 bbls of produced water were recovered from the containment and removed for disposal at an approved location. No produced water was released outside of containment.

Site Characterization

The release at Todd 14 occurred on federally-owned land, N 32.302519, W 103.750994, approximately 20 miles east of Loving, New Mexico. The legal description for the site is Unit K, Section 14, Township 23 South, Range 31 East, Eddy County, New Mexico. This location is within the Permian Basin in southeast New Mexico and has historically been used for oil and gas exploration and production, and rangeland. An aerial photograph and site schematic are included in Attachment 2 (Figure 1).

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Todd 14 is typical of oil and gas exploration and production sites in the western portion of the Permian Basin, and is currently used for oil and gas production, and storage. The following sections specifically describe the area in which the Todd 14 tank battery is located.

The surrounding landscape is associated with sandy dunes and plains typical of elevations between 3,000 and 4,200 feet above sea level. The climate is semi-arid, with average annual precipitation ranging between 10 and 14 inches. Litter and, to a lesser extent, bare ground make up a significant proportion of ground cover, while grasses compose the remainder. The dominant grass species are black grama, dropseeds and bluestems, with perennial and annual forb abundance relative to precipitation (United States Department of Agriculture, Natural Resources Conservation Service, 2020). Limited to no vegetation is allowed to grow on the compacted tank battery pad.

The Geological Map of New Mexico indicates the surface geology at Todd is comprised of Qep – eolian and piedmont deposits, that include eolian sands interlaid with piedmont-slope deposits (New Mexico Bureau of Geology and Mineral Resources, 2020). The Natural Resources Conservation Service Web Soil Survey characterizes the soil at the site on the cusp of Kermit-Berino fine sands and Berino complex. These types of soils tend to be excessively well-drained with low runoff and low-to-moderate available moisture levels in the soil profile (United States Department of Agriculture, Natural Resources Conservation Service, 2020). There is low potential for karst geology to be present near Todd 14 (United States Department of the Interior, United States Geological Survey, 2020a).

There is no surface water located at Todd 14. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC, is the Pecos River, located approximately 16 miles west of Todd 14 (United States Department of the Interior, United States Geological Survey, 2020b). A small, emergent pond is also located approximately 2.4 miles northwest of the release site (United States Fish and Wildlife Service, 2020). At Todd 14, there are no continuously flowing watercourses, lakebeds, sinkholes, playa lakes, or other critical water or community features nearby as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

The nearest groundwater well to the site is a 2014 New Mexico Office of the State Engineer (OSE)-identified well, located approximately 0.7 miles north-northwest of the site, with a depth to groundwater of 639 feet below ground surface (bgs; New Mexico Office of the State Engineer, New Mexico Water Rights Reporting System, 2020). Although this well is located just outside of the preferred distance of a ½-mile from the release site as recommended in the *Procedures for Implementation of the Spill Rule* (19.15.29 NMAC; New Mexico Energy, Minerals and Natural Resources Department, 2019), additional nearby wells to the south and southeast of Todd 14 support the groundwater determination. These nearby wells include an OSE well located approximately 2.2 miles south of Todd 14, with a depth to groundwater of 430 feet bgs and an OSE well located approximately 3.5 miles southeast of Todd 14, with a depth to groundwater of 713 feet bgs. Documentation pertaining to site characterization and depth to groundwater determination is included in Attachment 3.

Closure Criteria Determination

Using site characterization information, a closure criteria determination worksheet (Attachment 3) was completed to determine if the release was subject to any of the special case scenarios outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

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Devon Energy Production Company	
Todd 14 Battery	

Based on data included in the closure criteria determination worksheet, the release at Todd 14 is not subject to the requirements of Paragraph (4) of Subsection C of 19.15.29.12 NMAC and the closure criteria for the site are determined to be associated with the following constituent concentration limits based on depth to groundwater.

Table 1. Closure Criteria for Soils Impacted by a Release					
Depth to Groundwater	Constituent	Limit			
	Chloride	10,000 mg/kg			
>DTW is	TPH ¹	2 E00 mg/kg			
51	(GRO + DRO + MRO)	2,500 mg/kg			
ft-100 ft	GRO + DRO	1,000 mg/kg			
	BTEX ²	50 mg/kg			
	Benzene	10 mg/kg			

¹Total petroleum hydrocarbons (TPH) = gasoline range organics (GRO) + diesel range organics (DRO) + motor oil range organics (MRO)

²Benzene, toluene, ethylbenzene and xylenes (BTEX)

Remedial Actions

An initial spill inspection, completed on April 20, 2020, identified and mapped the boundaries of the produced water release by field screening soil samples using an electroconductivity (EC) meter. This method of field screening approximates chloride levels in the soil using electrical conductivity values and a regression equation. The release area was determined to be approximately 68 feet long and 35 feet wide; the total affected area was determined to be 1,808 square feet (Attachment 2 – Figure 1).

Initial field screening activities indicated that the constituent of concern for a produced water release – chloride - was below closure criteria as outlined in Table 1 and no remediation was deemed necessary. Surface soil samples were submitted for laboratory analyses to confirm the horizontal extents of the identified release. The initial characterization laboratory results confirmed initial field screening results, with the exception of surface sample 1 (SS 20-01), which indicated elevated hydrocarbons near the edge of the delineated release footprint. The presence of hydrocarbons at that location are not attributed to the release associated with this report and are believed to be the result of a separate, unknown incident. Field screening results and associated laboratory data are summarized in Table 2 (Attachment 4) and in the Daily Field Report from the initial inspection (Attachment 5).

On May 19, 2020, Vertex provided 48-hour notification of confirmation sampling to the NM OCD, as required by Subparagraph (a) of Paragraph (1) of Subsection D 19.15.29.12 NMAC (Attachment 6); and confirmatory samples were collected on May 23, 2020. A total of nine five-point composite confirmatory samples were collected from the surface of the release area. The initial characterization sampling laboratory data as shown in Table 2 (Attachment 4) had previously confirmed the horizontal extents of the release area, so additional sidewall samples were not collected. However, during confirmatory sampling activities, SS20-01 from the initial characterization sampling, which had laboratory-determined TPH levels approaching NM OCD Closure Criteria, was re-collected from the same location for re-analysis.

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Each composite confirmatory sample was representative of no more than 200 square feet per the alternate sampling method outlined in Subparagraph (c) of Paragraph (1) of Subsection D 19.15.29.12 NMAC, which does not require prior NM OCD approval. The confirmatory samples and re-collected characterization sample were placed into laboratory-provided containers, preserved on ice, and submitted to a National Environmental Laboratory Accreditation Program-approved laboratory for chemical analysis.

Laboratory analyses included Method 300.0 for chlorides, Method 8021B for volatile organics, including BTEX, and EPA Method 8015 for TPH, including MRO, DRO and GRO. Confirmatory sampling analytical data are summarized in Table 3 (Attachment 4). The re-collected characterization sample (SS20-01) is shown in Table 2 (Attachment 4). Laboratory data reports and chain of custody forms are included in Attachment 7.

A GeoExplorer 7000 Series Trimble global positioning system (GPS) unit, or equivalent, was used to map the approximate center of each of the five-point composite samples. The confirmatory sampling locations are presented on Figure 2 (Attachment 2).

Closure Request

Vertex recommends no remediation action to address the release at Todd 14. Laboratory analyses of the confirmatory samples showed constituent of concern concentration levels below NM OCD closure criteria for areas where depth to groundwater is 51 -100 feet bgs. The re-collected characterization sample (SS20-10) did not indicate any remaining presence of hydrocarbons near the produced water release. There are no anticipated risks to human, ecological or hydrological receptors associated with the release site.

Vertex requests that this incident (NRM2000935403) be closed as all closure requirements set forth in Subsection E of 19.15.29.12 NMAC have been met. Devon certifies that all information in this report and the attachments is correct, and that they have complied with all applicable closure requirements and conditions specified in Division rules and directives to meet NM OCD requirements to obtain closure on the August 20, 2019, release at Todd 14.

Should you have any questions or concerns, please do not hesitate to contact the undersigned at 505.506.0040 or ngordon@vertex.ca.

Sincerely,

atabe Fordon

Natalie Gordon PROJECT MANAGER

vertex.ca

Attachments

Attachment 1. NM O	CD C-141 Report
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- Attachment 2. Figures
- Attachment 3. Closure Criteria for Soils Impacted by a Release Research Determination Documentation
- Attachment 4. Characterization and Confirmatory Sampling Laboratory Results
- Attachment 5. Daily Field Report(s) with Photographs
- Attachment 6. Required 48-hr Notification of Confirmation Sampling to Regulatory Agencies
- Attachment 7. Laboratory Data Reports/Chain of Custody Forms

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References

- New Mexico Bureau of Geology and Mineral Resources. (2020). *Interactive Geologic Map.* Retrieved from http://geoinfo.nmt.edu.
- New Mexico Energy, Minerals and Natural Resources Department. (2019). *Procedures for Implementation of the Spill Rule.* Santa Fe, New Mexico.
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- United States Fish and Wildlife Service. (2020). *National Wetlands Inventory*. Retrieved from https://www.fws.gov/ wetlands/data/Mapper.html

Limitations

This report has been prepared for the sole benefit of Devon Energy Production Company (Devon). This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division, without the express written consent of Vertex Resource Services Inc. (Vertex) and Devon. Any use of this report by a third party, or any reliance on decisions made based on it, or damages suffered as a result of the use of this report are the sole responsibility of the user.

The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgement of Vertex based on the data collected during the assessment. Due to the nature of the assessment and the data available, Vertex cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be considered legal advice.

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ATTACHMENT 1

District I 1625 N. French Dr., Hobbs, NM 88240 District III 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

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

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Page 17 of 147

Incident ID	NRM2000935403
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.302519

Longitude -103.750994

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Todd 14 Battery	Site Type Oil
Date Release Discovered 8/20/2019	API# (if applicable)

Unit Letter	Section	Township	Range	County
K	14	23S	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) 7.4	Volume Recovered (bbls) ₄
	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)
Causa of Palaasa		

Cause of Release Produced water tank developed a leak on tank bottom. There is no liner in containment . Spill area 75'x2'x1/4".

Page 2

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
🗌 Yes 🔳 No	
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

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

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: Kendra DeHoyos
Signature: Kendra DeHoyos

_{email:} kendra.dehoyos@dvn.com

OCD Only

Received by: Ramona Marcus

Date: 01/09/2020

Title: EHS Associate

Telephone: 575-748-3371

Date: 8/21/2019

Received by OCD: 5/30/2024 1:25:32 PM Form C-141 State of New Mexico

Page 3

Oil Conservation Division

	Page 19 of 14
Incident ID	NRM2000935403
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>693</u> (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 X No
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes X No
Are the lateral extents of the release within a 100-year floodplain?	Yes X 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.

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

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

Received by OCD: 5	5/30/2024 1:25:32 PM State of New	Marrian		Page 20 of 14 2
Form C-141			Incident ID	NRM2000935403
Page 4	Oil Conservation	n Division	District RP	
			Facility ID	
			Application ID	
regulations all opera public health or the failed to adequately addition, OCD accep and/or regulations. Printed Name:	Tom Bynum	ain release notifications and perform report by the OCD does not relieve that pose a threat to groundwater, s the operator of responsibility for con- Title: <u>EHS Cons</u> Date: <u>8/31/202</u>	m corrective actions for rele e the operator of liability shourface water, human health ompliance with any other feo ultant	eases which may endanger ould their operations have or the environment. In
OCD Only Received by:		Date:		

Page 6

Oil Conservation Division

Incident ID	NRM2000935403
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

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

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

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

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

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

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

 Image: Closure Report Attachment Checklist: Each of the following items must be integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to final sampling)

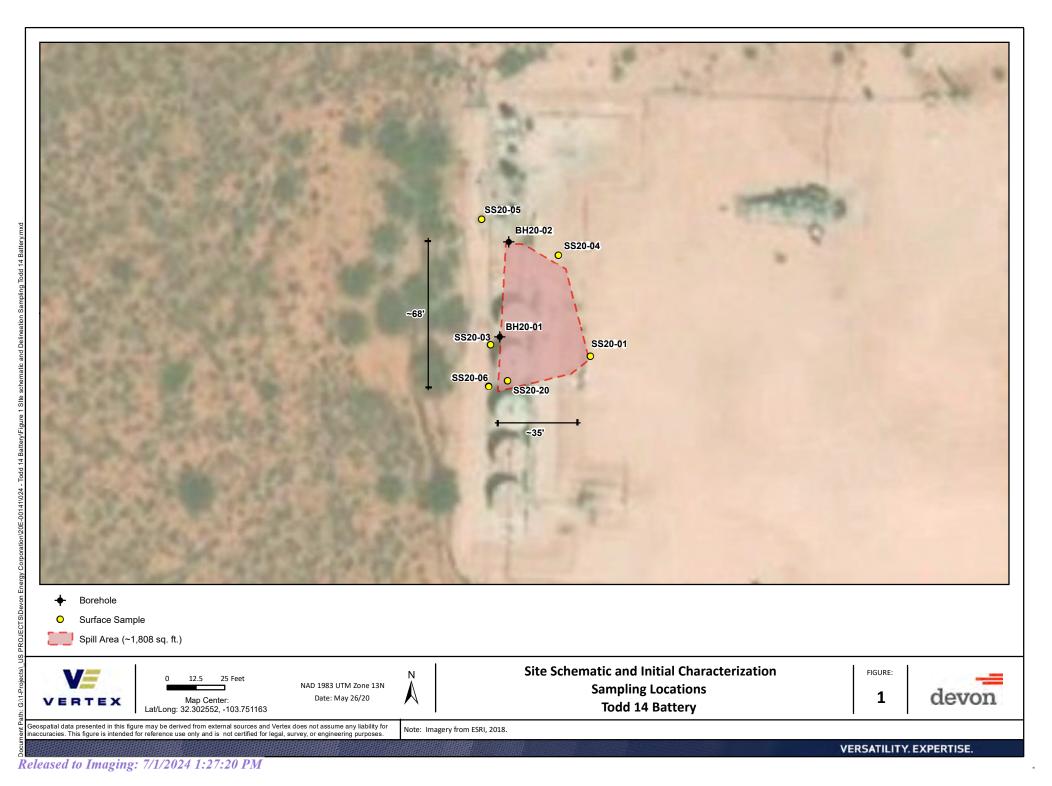
 Image: Closure Report and/second closure appropriate ODC District office must be notified 2 days prior to final sampling)

 Image: Description of remediation activities

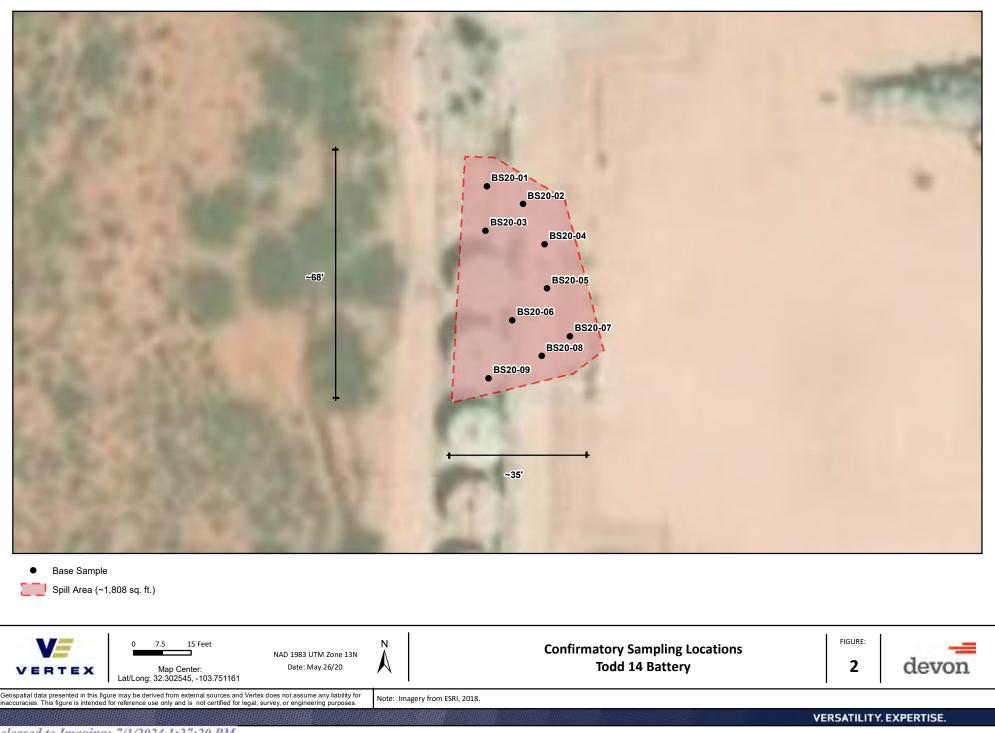
 Image: New Certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relie

Printed Name: Tom Bynum	Title: EHS Consultant
Signature: Tom Bynum	Date: 8/31/2020
U	Telephone: <u>575-748-2663</u>
OCD Only	
Received by:	Date:
	y of liability should their operations have failed to adequately investigate and e water, human health, or the environment nor does not relieve the responsible d/or regulations.
Closure Approved by:	Date:
Printed Name:	Title:

ATTACHMENT 2



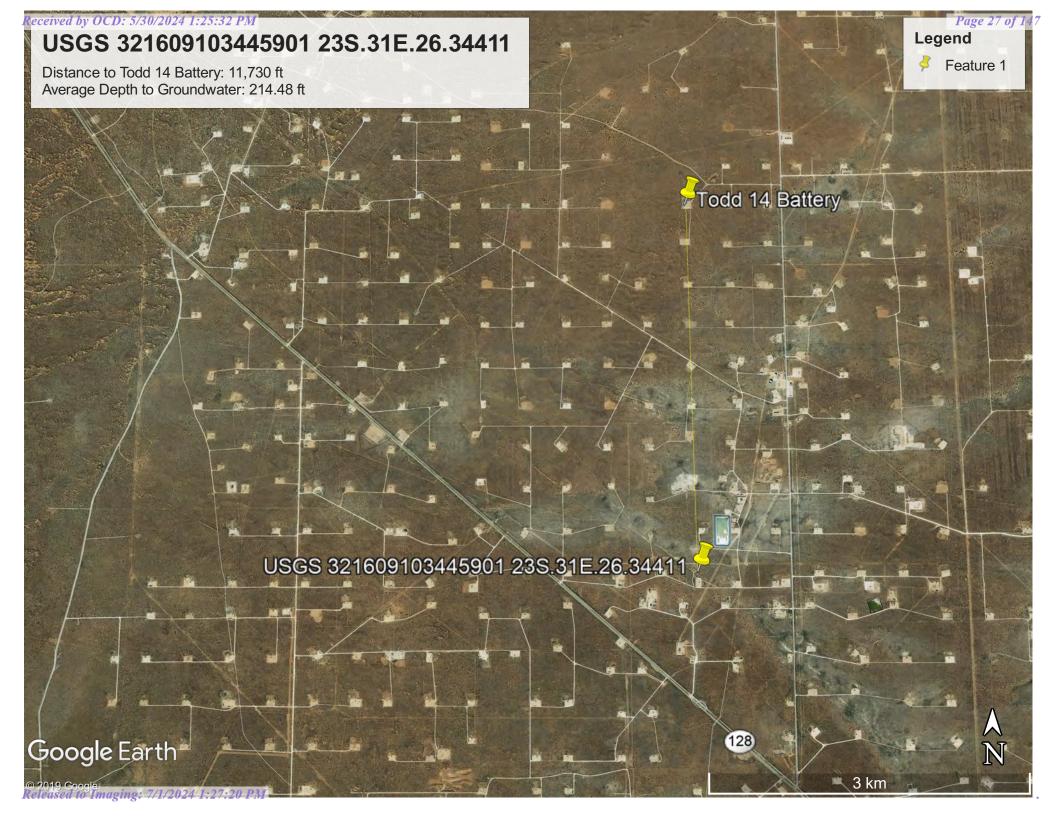
ppo



ATTACHMENT 3

•

Closure C	Criteria Worksheet		
Todd 14			
Spill Coo		X: 32.302519	Y: -103.750994
Site Specific Conditions		Value	Unit
1	Depth to Groundwater	215	feet
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	10,220	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	12,628	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	20,401	feet
5	 i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 	3,878	feet
	ii) Within 1000 feet of any fresh water well or spring		feet
6	Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves	No	(Y/N)
7	Within 300 feet of a wetland	13,300	feet
8	Within the area overlying a subsurface mine	No	(Y/N)
9	Within an unstable area (Karst Map)		Critical High Medium Low
10	Within a 100-year Floodplain	undetermined	year
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	DTW is 51-100 ft	<50' 51-100' >100'



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USGS Water Resources

Data Category:Geographic Area:GroundwaterVUnited StatesGO

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Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =

• 321609103445901

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321609103445901 23S.31E.26.34411

Available data for this site Groundwater: Field measurements ✓ GO Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°16'11.9", Longitude 103°45'01.2" NAD83 Land-surface elevation 3,451.00 feet above NGVD29 The depth of the well is 365 feet below land surface. This well is completed in the Dewey Lake Redbeds (312DYLK) local aquifer.

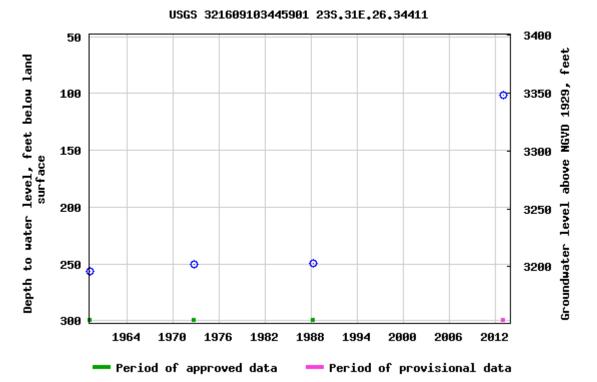
Output formats

Table of data

Tab-separated data

<u>Graph of data</u>

Reselect period



Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

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site_no list =

• 321809103481801

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321809103481801 23S.31E.17.31141

Available data for this site Groundwater: Field measurements ✓ GO Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°18'11.3", Longitude 103°48'23.4" NAD83 Land-surface elevation 3,326.00 feet above NGVD29 The depth of the well is 354 feet below land surface. This well is completed in the Rustler Formation (312RSLR) local aquifer.

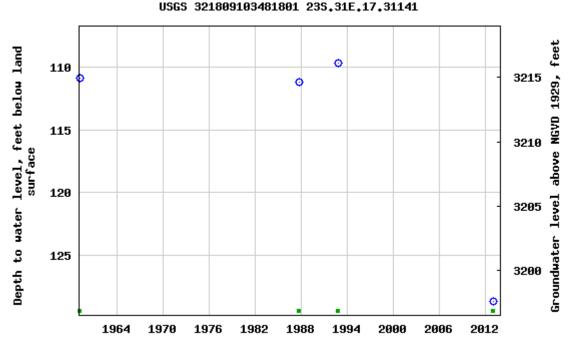
Output formats

Table of data

Tab-separated data

<u>Graph of data</u>

Reselect period



- Period of approved data

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Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =

• 321952103400801

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321952103400801 23S.32E.03.311114

Available data for this site Groundwater: Field measurements V GO Lea County, New Mexico Hydrologic Unit Code 13060011

Latitude 32°19'59.2", Longitude 103°40'12.6" NAD83

Land-surface elevation 3,648.00 feet above NGVD29

The depth of the well is 630 feet below land surface.

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

Output formats

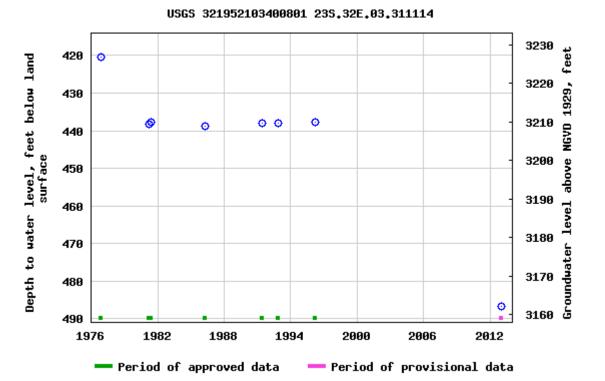
Table of data

Tab-separated data

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<u>Graph of data</u>

Reselect period



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New Mexico Office of the State Engineer Active & Inactive Points of Diversion

(with Ownership Information)

	(acre ft	per annum)				and no longer serves th C=the file is closed)				W 2=NE 3=SW llest to largest)		UTM in meters)	
WR File Nbr	Sub basin Use Dive	ersion Owner	County	/ POD Number	Well Tag	Code Grant	Source	qqq 6416 4		Tws Rng	х	Y	Distanc
C 02777	CUB MON	0 US DEPT OF ENERGY WIPP	ED	<u>C 02777</u>				444	10	23S 31E	616973	3575662 🌍	118
C 03749	CUB MON	0 US DEPARTMENT OF ENERGY	ED	<u>C 03749 POD1</u>			Shallow	2 2	15	23S 31E	616973	3575662 🌍	118
C 02258	C PRO	0 DEVON ENERGY CORP.(NEVADA)	ED	<u>C 02258</u>				32	26	23S 31E	618055	3571853* 🌍	283
02348	C STK	3 NGL WATER SOLUTIONS PERMIAN	ED	<u>C 02348</u>			Shallow	143	26	23S 31E	617647	3571068 🌍	358
<u>C 02773</u>	CUB MON	0 U.S. DEPT. OF ENERGY - WIPP	ED	<u>C 02773</u>				413	03	23S 31E	615668	3577762* 🌍	365
<u>C 03140</u>	CUB MON	0 US DEPT OF ENERGY	ED	<u>C 03140</u>			Shallow	424	04	23S 31E	615266	3577758* 🌍	387
02602	C SAN	0 POGO PRODUCING COMPANY	ED	<u>C 02602</u>				22	35	23S 31E	618471	3570650* 🌍	409
C 03351	C STK	3 BUREAU OF LAND MANAGEMENT	ED	<u>C 03351</u>			Shallow	414	04	23S 31E	614916	3577861 🌍	417
C 02954	CUB EXP	0 U.S. DEPARTMENT OF ENERGY CARLSBAD FIELD OFFICE, WIPF		C 02954 EXPL			Shallow	314	20	23S 31E	613114	3572906* 🌍	480
C 02774	CUB MON	0 U.S. DEPT. OF ENERGY - WIPP	ED	<u>C 02774</u>				313	04	23S 31E	613857	3577745* 🌍	4847

Record Count: 10

UTMNAD83 Radius Search (in meters):

Easting (X): 617590.31

Northing (Y): 3574653.43

Radius: 5000

Sorted by: Distance

*UTM location was derived from PLSS - see Help

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

		(quarters			NE 3=S to larges		(NAD83	UTM in meters)	
Well Tag POD	Number	Q64 Q			e	/	(NAD65 X	<i>,</i>	
0	3749 POD1		2 2	15	23S	31E	616974	3575662 🧲	
Driller License: Driller Name:	331	Driller (Compa	ny:	SB CO	~ ·	C DBA ST	EWART BROTH	HERS DRILLI
Drill Start Date:	07/10/2014	Drill Fin	ish Da	te:	0	3/06/201	4 I	Plug Date:	
Log File Date:	09/11/2014	PCW Ro	ev Date	e:			S	Source:	Shallow
Pump Type:		Pipe Dis	charge	e Sizo	e:		I	Estimated Yield	5 GPM
Casing Size:	4.50	Depth W	Vell:		80	55 feet	I	Depth Water:	639 feet
x Wate	r Bearing Strati	fications:	Te	op 1	Bottom	Descr	iption		
			82	20	846	Limes	stone/Dolc	omite/Chalk	

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6/26/20 1:50 PM

POINT OF DIVERSION SUMMARY

		(quarters (quarters	are 1=NW s are smal			,	NAD83 UT	ΓM in meters)	
8) Number 2348	Q64 Q 1	-		vs R S 3	0	X 617648	Y 3571068 🥌	
Driller License: Driller Name:	1654	Driller C	ompan			WORKIN OCONSTI		HIRESIRMA	N DRILLINC
Drill Start Date:	10/31/2013	Drill Fin	ish Date	e:	11/(01/2013	Plu	ıg Date:	
Log File Date:	11/07/2013	PCW Rc	v Date:				So	urce:	Shallow
Pump Type:		Pipe Disc	charge S	Size:			Est	timated Yield:	10 GPM
Casing Size:	6.00	Depth W	ell:		700) feet	De	pth Water:	430 feet
x Wate	er Bearing Stratif	fications:	Тор	Botte	m	Descript	ion		
			15	1	25	Sandston	e/Gravel/	/Conglomerate	
			315	5 7	00	Sandston	e/Gravel/	/Conglomerate	
Х	Casing Per	forations:	Тор	Botte	m				
			560	6	20				
			680	. 7	00				

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6/26/20 2:01 PM

POINT OF DIVERSION SUMMARY

			s are 1=N rs are sm			W 4=SE) t)	(NAD83 U	TM in meters)	
Well Tag POI) Number	Q64 Q			U	<i>′</i>	X	Y	
C (3851 POD1	3	3 4	20	23S	32E	622880	3572660 🌍	
x Driller License: Driller Name:	1723	Driller (Compa	ny:	SB CO	~ /	C DBA STE	WART BROTH	ERS DRILLI
Drill Start Date:	08/19/2015	Drill Fir	ish Da	te:	10	0/02/201	5 Pl	ug Date:	
Log File Date:	11/10/2015	PCW R	ev Date	:			So	urce:	Artesian
Pump Type:		Pipe Dis	charge	Size	:		Es	timated Yield:	3 GPM
Casing Size:	5.00	Depth W	Vell:		1.	392 feet	De	epth Water:	713 feet
x Wat	er Bearing Stratif	fications:	Та	p E	Bottom	Descr	iption		
			135	54	1380) Limes	stone/Dolon	nite/Chalk	

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POINT OF DIVERSION SUMMARY

New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced O=orphaned, C=the file is closed)		•••					2=NE 3	3=SW 4=SE) gest) (NA) AD83 UTM in me	eters)	(1	In feet)	
BOD Number	POD Sub-	` t	-	Q	-	0	T	Daa	Y	Y	Distance	-	-	Water
POD Number C 02777	Code basin C CUB	ED	-				23S		X 616974	т 3575662 🌍	Distance 1182	890	water	Column
C 03749 POD1	CUB	ED		2	2	15	23S	31E	616974	3575662 🥌	1182	865	639	226
<u>C 02258</u>	С	ED		3	2	26	23S	31E	618055	3571853* 🌍	2838	662		
<u>C 02348</u>	С	ED	1	4	3	26	23S	31E	617648	3571068 🌍	3585	700	430	270
<u>C 02773</u>	CUB	ED	4	1	3	03	23S	31E	615668	3577762* 🌍	3654	880		
<u>C 03140</u>	CUB	ED	4	2	4	04	23S	31E	615266	3577758* 🌍	3878	684		
<u>C 03351</u>	С	ED	4	1	4	04	23S	31E	614917	3577861 🌍	4175	320	168	152
C 02954 EXPL	CUB	ED	3	1	4	20	23S	31E	613114	3572906* 🌍	4805	905		
<u>C 02774</u>	CUB	ED	3	1	3	04	23S	31E	613857	3577745* 🌍	4847	1660		
										Avera	ge Depth to	Water:	412	feet
											Minimum	Depth:	168	feet
											Maximum	Depth:	639	feet

Record Count: 9

UTMNAD83 Radius Search (in meters):

Easting (X): 617590.31

Northing (Y): 3574653.43

Radius: 5000

*UTM location was derived from PLSS - see Help

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2/11/20 7:45 AM

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New Mexico Office of the State Engineer Wells with Well Log Information

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced, O=orphaned, C=the file is closed)	· ·			NE 3=SW 4=S nallest to large	,	AD83 UTM in me	eters)				(in fe	eet)	
POD Number	POD Sub- Code basin Cou	nty Source	q q q 6416 4		Tws Rng	x	Y	Distance	Start Date	Finish Date	Log File Date	•	Depth Water Driller	License Number
C 03749 POD1	CUB EI	Shallow	2 2	15	23S 31E	616974	3575662 🌍	1182	07/10/2014	08/06/2014	09/11/2014	865	639 RANDY STEWART	331
<u>C 02258</u>	C EI)	32	26	23S 31E	618055	3571853* 🌍	2838	09/18/1992	09/18/1992	09/25/1992	662	CORKY GLENN	421
<u>C 02348</u>	C EI) Shallow	143	26	23S 31E	617648	3571068 🌍	3585	10/31/2013	11/01/2013	11/07/2013	700	430 JOHN SIRMAN	1654
<u>C 03140</u>	CUB EI) Shallow	424	04	23S 31E	615266	3577758* 🌍	3878	05/02/2005	05/25/2005	06/03/2005	684	BROCKMAN, BERNAR	D 1184
<u>C 03351</u>	C EI	Shallow	414	04	23S 31E	614917	3577861 🌍	4175	11/20/2007	11/20/2007	12/04/2007	320	168 GLENN, CLARK A."CORKY" (LD)	421
C 02954 EXPL	CUB EI) Shallow	314	20	23S 31E	613114	3572906* 🌍	4805	06/25/2003	07/29/2003	08/07/2003	905		D 1184
Record Count: 6 UTMNAD83 Rac	lius Search (in m	eters):												

Easting (X): 617590.31

Northing (Y): 3574653.43

Radius: 5000

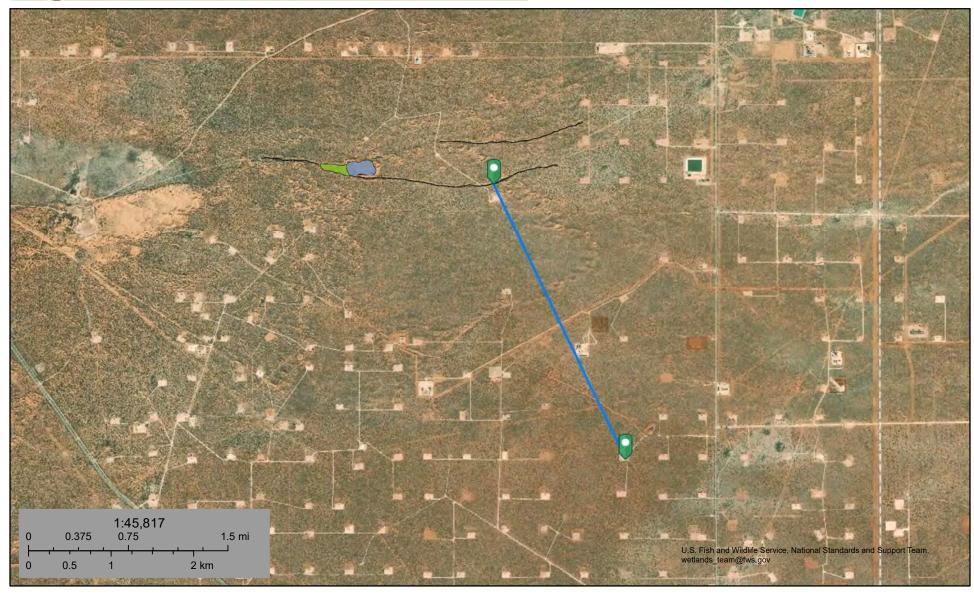
*UTM location was derived from PLSS - see Help

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U.S. Fish and Wildlife Service

National Wetlands Inventory

Todd 14: Watercourse 10,220 ft



February 11, 2020

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland Freshwater Forested/Shrub Wetland
- **Freshwater Pond**

Lake Other Riverine

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

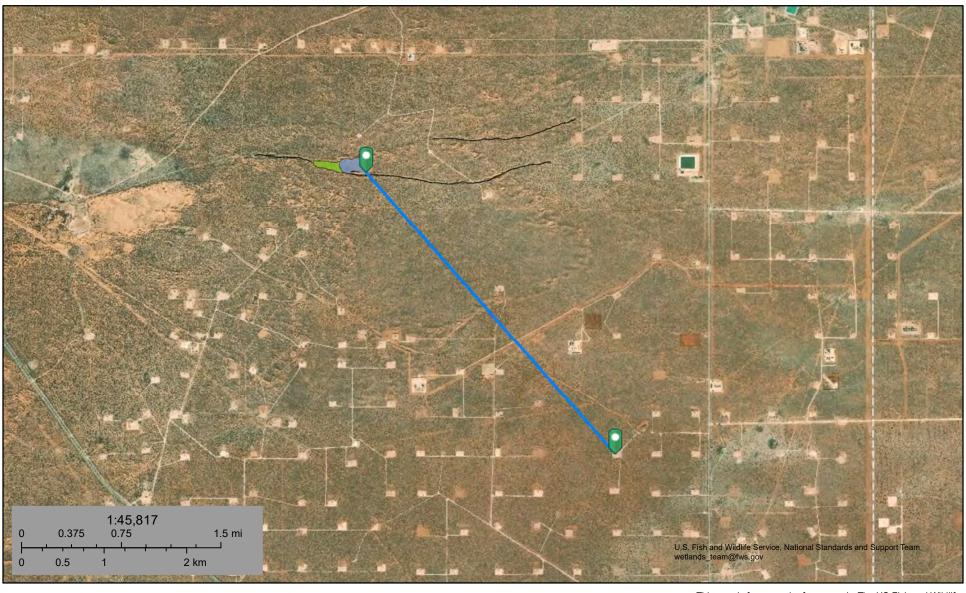
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National Wetlands Inventory (NWI) This page was produced by the NWI mapper

U.S. Fish and Wildlife Service

National Wetlands Inventory

Todd 14: Freshwater Pond 12,628 ft



February 11, 2020

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Forested/Shrub Wetland

Freshwater Emergent Wetland

Freshwater Pond

Lake Other Riverine

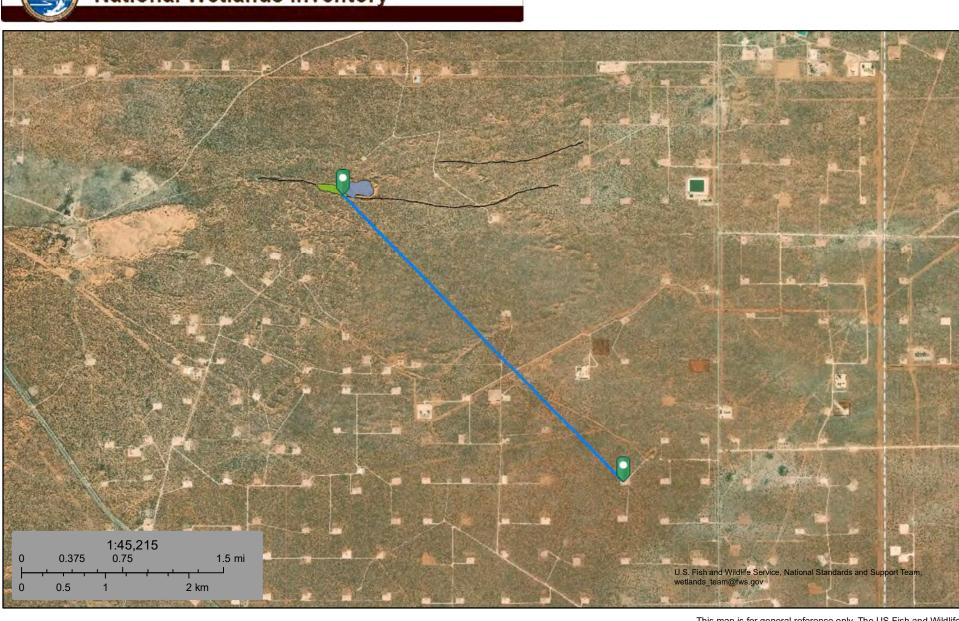
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

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U.S. Fish and Wildlife Service

National Wetlands Inventory



February 11, 2020

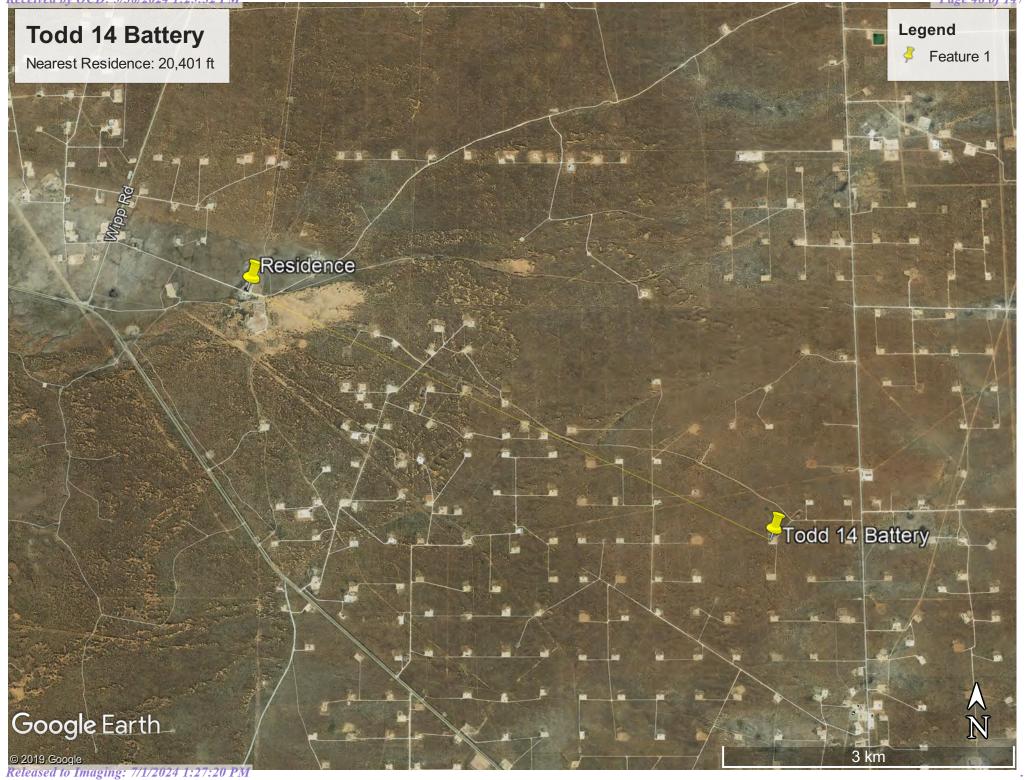
Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- **Freshwater Pond**

Lake Other Riverine

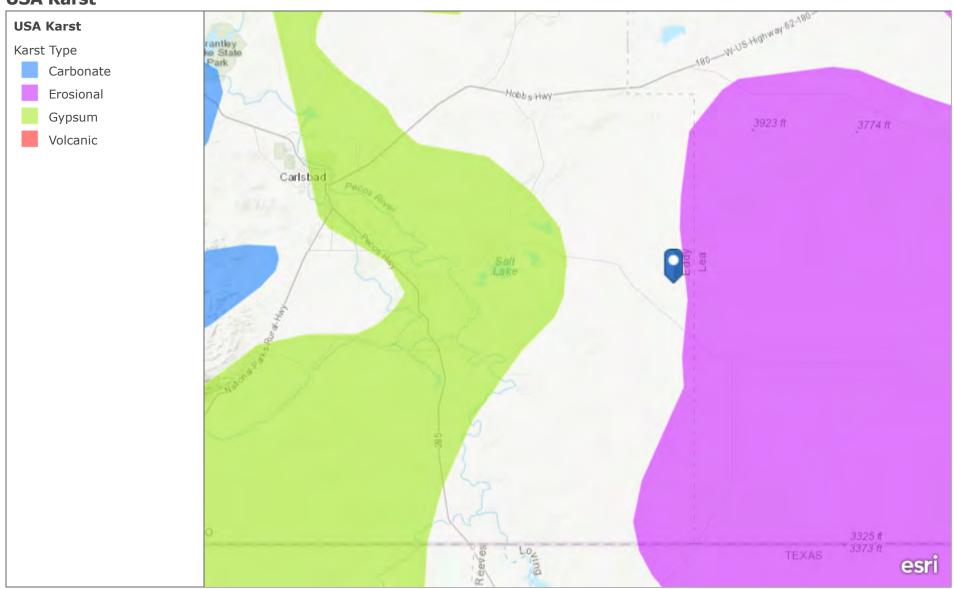
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Released to Imaging: 7/1/2024 1:27:20 PM



Received by OCD: 5/30/2024 1:25:32 PM

USA Karst



A map showing karst areas in the United States based on the U.S. Geological Survey Open-File Report 2004-1352

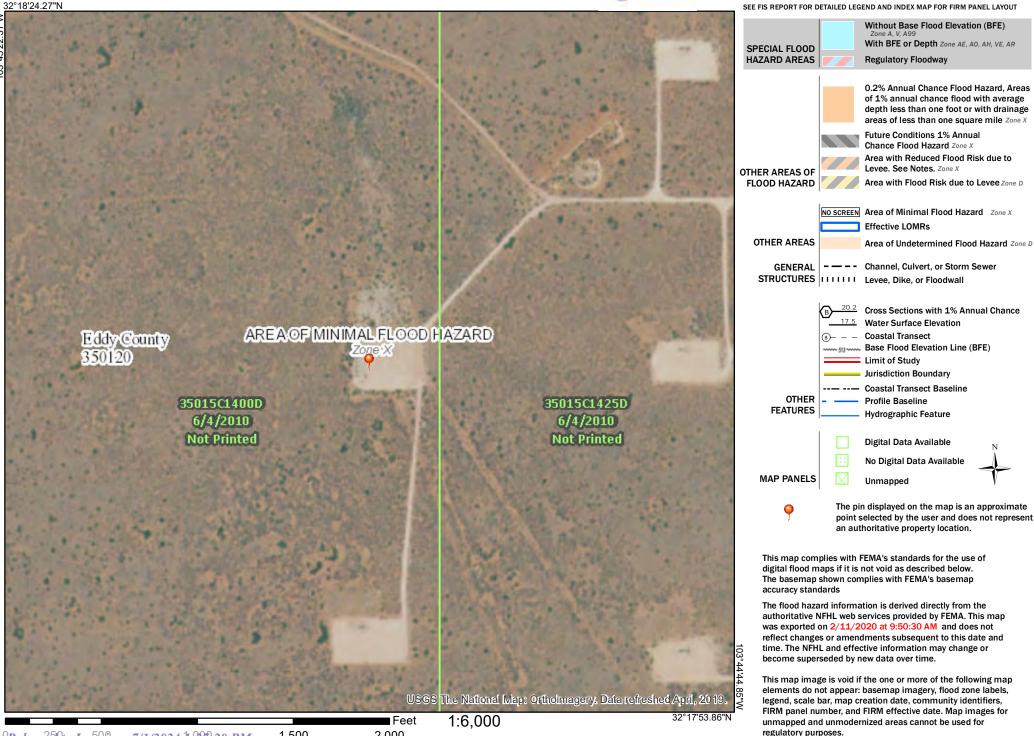
Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS | U.S. Geological Survey Open-File Report 2004-1352, Caves and Karst in the U.S. National Park Service, AGI Karst Map of the US.

Received by OCD: 5/30/2024 1:25:32 PM National Flood Hazard Layer FIRMette

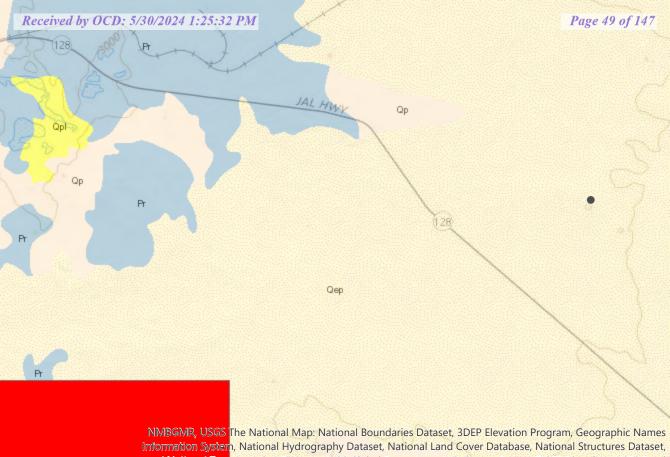


Legend

Page 48 of 147



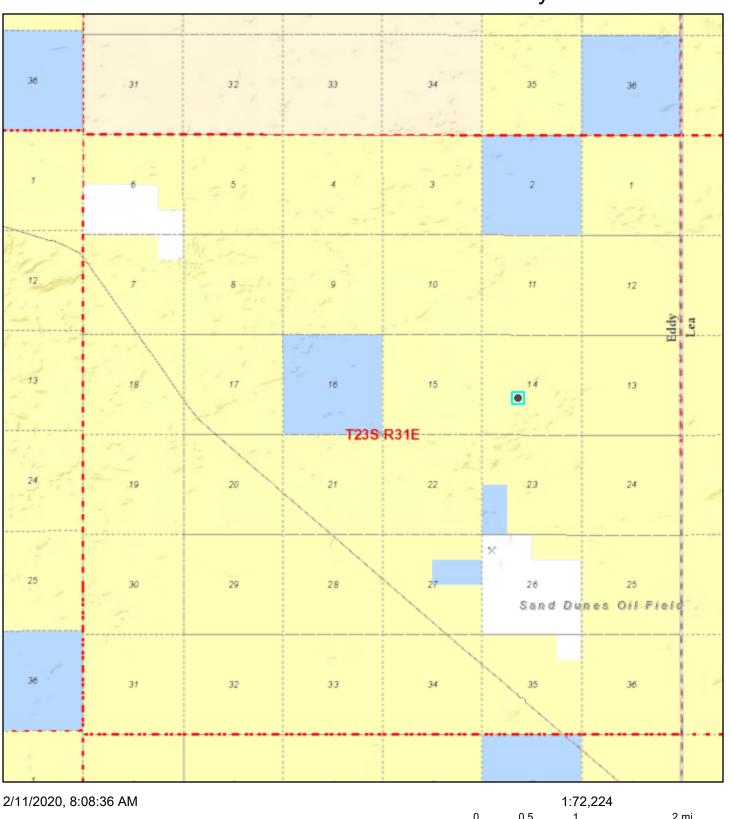
OReleasea to Imaging: 7/1/2024 1.909.20 PM 1,500 2,000



and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road **Released to Imaging:** 2017; 100 pm/U.S. Department of State Humanitarian Information Unit; and NOAA National Centers

for Environmental Information, U.S. Coastal Relief Model. Data refreshed May, 2020.

Received by OCD: 5/30/2024 1:25:32 PM



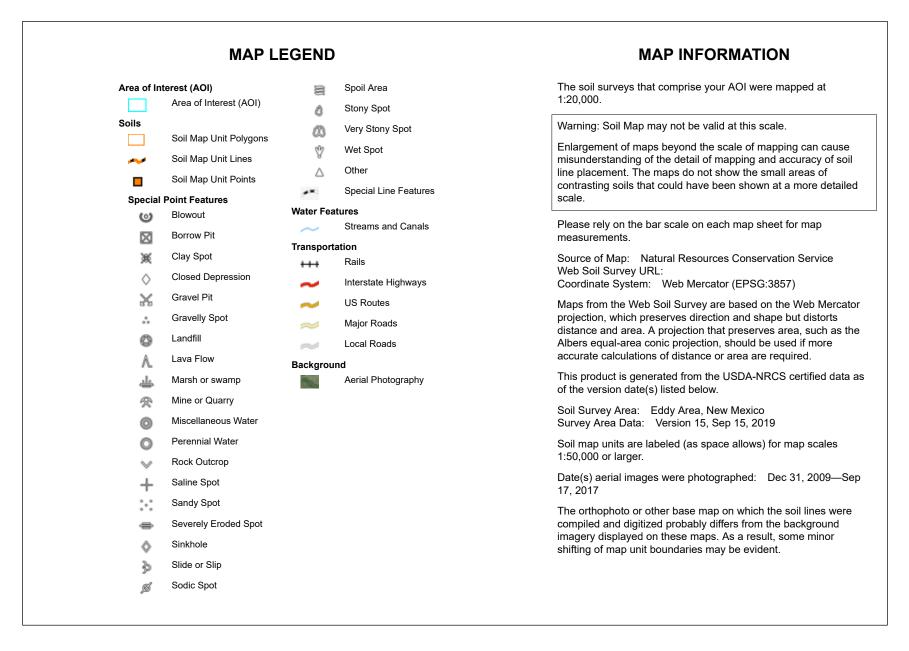
Registered Mines

- * Aggregate, Stone etc.
- * Aggregate, Stone etc.

U.S. Bureau of Land Management - New Mexico State Office, Sources: Esri, USGS, NOAA, Sources: Esri, Garmin, USGS, NPS



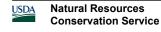
USDA Natural Resources Conservation Service Released to Imaging: 7/1/2024 1:27:20 PM





Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
ВВ	Berino complex, 0 to 3 percent slopes, eroded	0.2	10.1%
КМ	Kermit-Berino fine sands, 0 to 3 percent slopes	1.7	89.9%
Totals for Area of Interest		1.9	100.0%



Eddy Area, New Mexico

BB—Berino complex, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w43 Elevation: 2,000 to 5,700 feet Mean annual precipitation: 5 to 15 inches Mean annual air temperature: 57 to 70 degrees F Frost-free period: 180 to 260 days Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 60 percent
Pajarito and similar soils: 25 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino

Setting

Landform: Fan piedmonts, plains 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 58 inches: sandy clay loam H3 - 58 to 60 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural 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 in profile: 40 percent
Salinity, maximum in profile: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 1.0
Available water storage in profile: Moderate (about 8.0 inches)

Interpretive groups

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

Hydrologic Soil Group: B *Ecological site:* Loamy Sand (R042XC003NM) *Hydric soil rating:* No

Description of Pajarito

Setting

Landform: Interdunes, plains, dunes Landform position (three-dimensional): Side slope Down-slope shape: Linear, convex Across-slope shape: Linear, convex Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 9 inches: loamy fine sand H2 - 9 to 72 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 40 percent
Salinity, maximum in profile: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 1.0
Available water storage in profile: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): 2e Land capability classification (nonirrigated): 7e Hydrologic Soil Group: A Ecological site: Loamy Sand (R042XC003NM) Hydric soil rating: No

Minor Components

Cacique

Percent of map unit: 4 percent Ecological site: Sandy (R042XC004NM) Hydric soil rating: No

Wink

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

Pajarito

Percent of map unit: 4 percent Ecological site: Loamy Sand (R042XC003NM) Hydric soil rating: No Map Unit Description: Berino complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

Kermit

Percent of map unit: 3 percent Ecological site: Deep Sand (R042XC005NM) Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 15, Sep 15, 2019



Map Unit Description: Kermit-Berino fine sands, 0 to 3 percent slopes---Eddy Area, New Mexico

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
Natural 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
Salinity, maximum in profile: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 1.0
Available water storage in profile: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7e Hydrologic Soil Group: A Ecological site: Deep Sand (R042XC005NM) Hydric soil rating: No

Description of Berino

Setting

Landform: Fan piedmonts, plains 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
Natural 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 in profile: 40 percent
Salinity, maximum in profile: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 1.0
Available water storage in profile: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e Land capability classification (nonirrigated): 7e Hydrologic Soil Group: B Ecological site: Loamy Sand (R042XC003NM) Hydric soil rating: No

Minor Components

Active dune land

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

Data Source Information

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 15, Sep 15, 2019



ATTACHMENT 4

Client Name: Devon Energy Production Company Site Name: Todd 14 Battery NM OCD Incident Tracking Number: NRM2000935403 Project #: 20E-00141-024 Lab Reports: 2004943 and 2005A42

		Table 2.	Release C	haracteriza	tion Samp	ling - Dept	h to Grour	ndwater 51	' - 100 '				
	Sample Description		Fi	ield Screeniı	ng			Petrol	eum Hydroc	arbons			Inorganic
				_		Vol	atile			Extractable			morganic
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (Petro Flag)	Inorganics (Electrical Conductivity)	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
SS 20-01	0	April 20, 2020	-	-	342	<0.024	<0.215	<4.8	700	1,800	700	2,500	400
SS 20-01	0.5	May 23, 2020	-	-	-	<0.024	<0.216	<4.8	<10.0	<50	<14.8	<64.8	<60
SS 20-02	0	April 20, 2020	-	-	2,201	-	-	-	-	-	-	-	-
SS 20-03	0	April 20, 2020	-	-	1	<0.024	<0.219	<4.9	<9.8	<49	<14.7	<63.7	110
SS 20-04	0	April 20, 2020	-	-	1	<0.023	<0.207	<4.6	<8.4	<42	<13.0	<55.0	66
SS 20-05	0	April 20, 2020	-	-	1	<0.024	<0.216	<4.8	<9.1	<46	<13.9	<59.9	<60
SS 20-06	0	April 20, 2020	-	-	2,808	-	-	-	-	-	-	-	-
BH 20-01	0.5	April 20, 2020	-	-	3,700	<0.024	<0.216	<4.8	<8.3	<41	<13.1	<54.1	3,200
BH 20-01	1	April 20, 2020	-	-	996	-	-	-	-	-	-	-	-
BH 20-01	2	April 20, 2020	-	-	3,752	-	-	-	-	-	-	-	-
BH 20-01	3	April 20, 2020	-	-	3,352	<0.024	<0.212	<4.7	<9.4	<47	<14.1	<61.1	1,300
BH 20-01	4	April 20, 2020	-	-	20,000	-	-	-	-	-	-	-	-
BH 20-02	0.5	April 20, 2020	-	-	20,000	-	-	-	-	-	-	-	-
BH 20-02	1	April 20, 2020	-	-	2,367	-	-	-	-	-	-	-	-

"-" - Not applicable/assessed

Bold and grey shaded indicates approaching, or exceedance outside of, NM OCD closure criteria

Bold and green shaded indicates a re-sample of areas previously exceeding NM OCD closure criteria

Client Name: Devon Energy Production Company Site Name: Todd 14 Battery NM OCD Incident Tracking Number: NRM2000935403 Project #: 20E-00141-024 Lab Report: 2005A41-001

		Table 3. Confirm	natory Sampling	g Laboratory Re	sults - Depth to	Groundwater !	51' - 100'			
	Sample Description				Petro	oleum Hydroca	rbons			Inorgania
			Vol	atile			Extractable			Inorganic
Sample ID	Depth (ft)	Sample Date	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BS20-01	0	May 23, 2020	<0.023	<0.207	<4.6	<9.7	<48	<14.3	<62.3	4,100
BS20-02	0	May 23, 2020	<0.024	<0.215	<4.8	<9.2	<46	<14	<60.0	<60
BS20-03	0	May 23, 2020	<0.023	<0.207	<4.6	14	51	14	65	1,900
BS20-04	0	May 23, 2020	<0.023	<0.208	<4.6	<9.5	<47	<14.1	<62.1	3,300
BS20-05	0	May 23, 2020	<0.024	<0.216	<4.8	<8.7	<43	<13.5	<56.5	99
BS20-06	0	May 23, 2020	<0.024	<0.219	<4.9	<9.1	<45	<14.0	<59.0	100
BS20-07	0	May 23, 2020	<0.023	<0.210	<4.7	<9.6	<48	<14.3	<62.3	<60
BS20-08	0	May 23, 2020	<0.023	<0.211	<4.7	<9.8	<49	<14.5	<63.5	280
BS20-09	0	May 23, 2020	<0.023	<0.211	<4.7	<9.8	<49	<14.5	<63.5	420

"-" - Not applicable/assessed

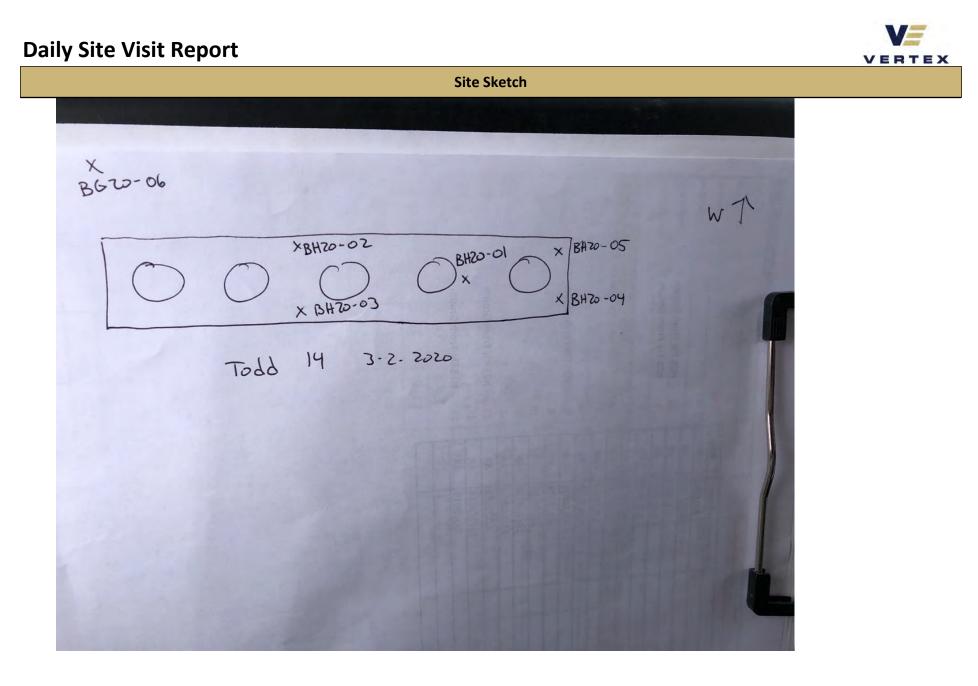
Bold and shaded indicates exceedance outside of applied action level

ATTACHMENT 5



Client:	Devon Energy Corporation	Inspection Date:	3/2/2020
Site Location Name:	Todd 14 Battery	Report Run Date:	3/2/2020 10:29 PM
Project Owner:	Amanda Davis	File (Project) #:	20E-00141
Project Manager:	Natalie Gordon	API #:	
Client Contact Name:	Amanda Davis	Reference	08/20/2019 - 4bbl PW Release
Client Contact Phone #:	(575) 748-0176	_	
		Summary of	Times
Left Office	3/2/2020 8:30 AM		
Arrived at Site	3/2/2020 9:32 AM		
Departed Site	3/2/2020 2:02 PM		
Returned to Office	3/2/2020 3:00 PM		

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Run on 3/2/2020 10:29 PM UTC



Summary of Daily Operations

9:32 Fill out arrival and safety forms Map spill area Take pictures Collect and field screen characterization samples Record data Fill out DFR Return to office

Next Steps & Recommendations

1

				Sam	npling			
ground20-	06							
Depth ft	VOC PID	Petro Flag TPH ppm	Quantab Range ppm	Quantab Reading ppm	Lab Analysis	Picture	Trimble Location	Marked On Site Sketch
O ft.	0 ppm	53 ppm		10 ppm	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	\checkmark	32.30227475, - 103.75142376	Yes
0.5 ft.	0 ppm	38 ppm		17 ppm	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	\checkmark	32.30227475, - 103.75142376	Yes
0-01								
Depth ft	VOC PID	Petro Flag TPH ppm	Quantab Range ppm	Quantab Reading ppm	Lab Analysis	Picture	Trimble Location	Marked On Site Sketch?
					BTEX (EPA SW-846 Method			

2840 ppm

0 ft.

110 ppm

8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846

Method 8015M)

Yes

32.30252909, -

103.75115457

0 ppm

ily Site	Visit Re	port						VERTEX
0.5 ft.	0 ppm	609 ppm		702 ppm	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	\checkmark	32.30252909, - 103.75115457	Yes
0-02								
Depth ft	VOC PID	Petro Flag TPH ppm	Quantab Range ppm	Quantab Reading ppm	Lab Analysis	Picture	Trimble Location	Marked On Site Sketch
O ft.	0 ppm	286 ppm		53 ppm	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	\checkmark	32.30244327, - 103.75120848	Yes
0.5 ft.	0 ppm	654 ppm		170 ppm	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	\checkmark	32.30244327, - 103.75120848	Yes
0-03								
Depth ft	VOC PID	Petro Flag TPH ppm	Quantab Range ppm	Quantab Reading ppm	Lab Analysis	Picture	Trimble Location	Marked On Site Sketch
O ft.	0 ppm	283 ppm		140 ppm	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	\checkmark	32.30243408, - 103.75110670	Yes
0.5 ft.	1 ppm	301 ppm		166 ppm	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	\checkmark	32.30243408, - 103.75110670	Yes
0-04	-					-	-	
Depth ft	VOC PID	Petro Flag TPH ppm	Quantab Range ppm	Quantab Reading ppm	Lab Analysis	Picture	Trimble Location	Marked On Site Sketch
O ft.	1 ppm	410 ppm		175 ppm	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	\checkmark	32.30259519, - 103.75113660	Yes

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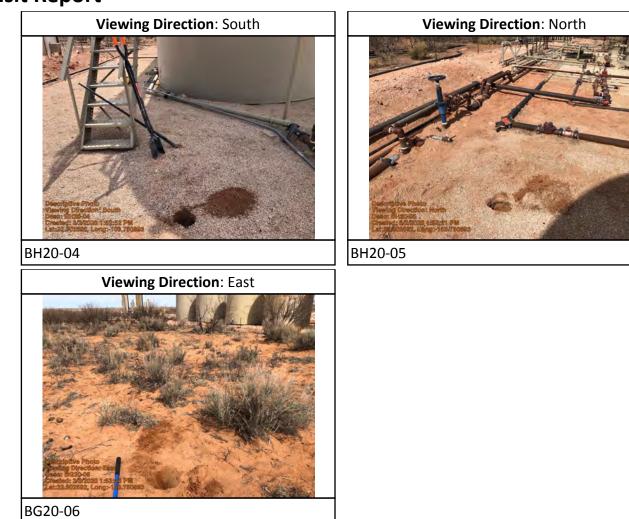
ily Site	Visit Re	port						VERTEX
0.5 ft.	0 ppm	267 ppm		132 ppm	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	\checkmark	32.30259519, - 103.75113660	Yes
0-05								
Depth ft	VOC PID	Petro Flag TPH ppm	Quantab Range ppm	Quantab Reading ppm	Lab Analysis	Picture	Trimble Location	Marked On Site Sketch?
0 ft.	0 ppm	285 ppm		148 ppm	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	\checkmark	32.30260462, - 103.75116332	Yes
0.5 ft.	1 ppm	314 ppm		189 ppm	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (EPA 300.0), TPH (EPA SW-846 Method 8015M)	\checkmark	32.30260462, - 103.75116332	Yes

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Site Photos Viewing Direction: West Viewing Direction: South Site photo BH20-01 Viewing Direction: North Viewing Direction: North 152:36 PM BH20-02 BH20-03

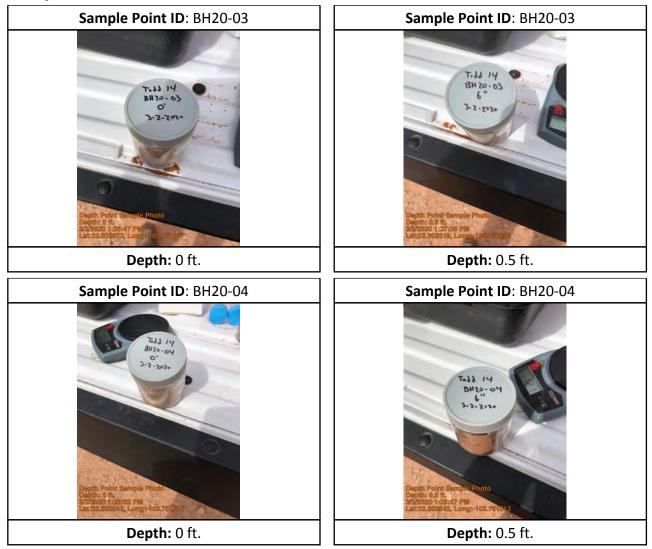




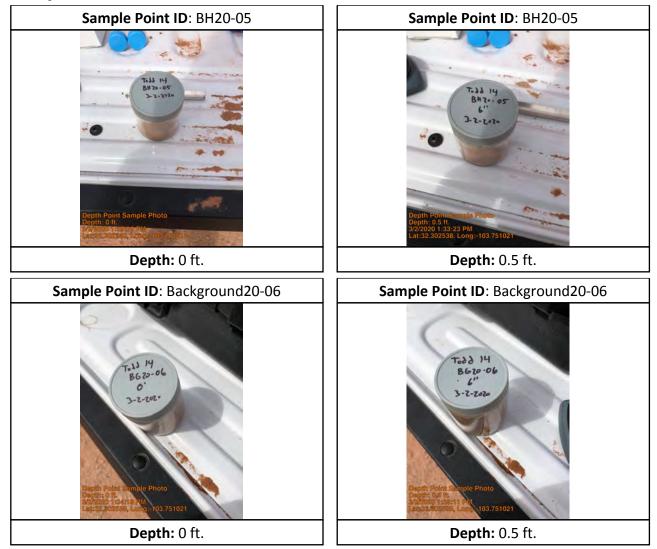


Depth Sample Photos Sample Point ID: BH20-01 Sample Point ID: BH20-01 Todd 14 BH20-01 T. 13 14 BHZO - 01 O' 3-2-2-20 3-2-7-20 Depth: 0 ft. Depth: 0.5 ft. Sample Point ID: BH20-02 Sample Point ID: BH20-02 T.13 14 BHZO-OZ 6" 0 29 14 3-2-2020 Depth: 0 ft. Depth: 0.5 ft.











Daily Site Visit Signature

Inspector: Jason Crabtree

Signature:

Run on 3/2/2020 10:29 PM UTC

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Received by OCD: 5/30/2024 1:25:32 PM



10	-	1775	-1-	1000	-
w	Sec.	8~6		Post .	

Spill Resp	onse and	d Samplin	g				v	ERTE
Client:		Devon			Initial Spill Information - R	ecord on Firs	t Visit	Anna an
Date:		3-2-2	020		Spill Date:			linguanteer a traversion is to an an
Site Name:		PPEL	14		Spill Volume:			
Site Location:					Spill Cause:			
Project Owner:		Jason	Cab free		- Spill Product:			
Project Manager:		Natala	- Gordon		- Recovered Spill Volume:			
Project #: 20 (5-0014				- Recovery Method:			
			Field Screening	Sampling	Data Collection	(Check for V	orl	
Sample ID	Depth (ft)	VOC (PID)	PetroFlag TPH (ppm)	Quantab (High/Low) + or -	Lab Analysis	Picture	Trimble Coordinates	Marked on
SS/TP/BH - Year - Number Ex. BH18-01	Ex. '2ft	Ex. 400 ppm	200 ppm	Ex. 'High +	Ex. Hydrocarbon Chloride		Coordinates	Site Sketch
BH70-01	0'	0	2840	110	32.30252909 -63.75115457	-		
BH20-01	6"	0	609	702				- Constanting of the second
BHZD-02		0	286	53	32,30244327 -63.75120848			
BHZD-02	6"	0	654	170				
6420-03	0'	0	283	140	32. 30243408 -103. 75110670			
BH20.03	6"	1	301	166	103. 73 110 670			
BH20-04	0'	l	410	175	32.30259519 -103.75113660			
BHZO-04	6"	0	267	132				
BH20-05	0'	0	295	148	32.30260462 -63.75116332			
BH 20-05	6'	ι	314	189	-2.0.1035C			
B620-06	0'	0	53	10	32.30227475 -103.75142376			
B620-06	6'	0	38	17				
		-						
		un an	the states of the	Mar and a los				

b Samplin	EC (µS/n	CVC/VOC	Depth					1	Тор					Тор					Тор			0.50	Тор				0.0		Top (m or ft)	P roject Location	roject Name	Project Number	lient Nam
b Sampling (Check Box)	EC (µS/m or µS/cm)	CVC/VOC (ppm or LEL)	Depth (m or ft)						Bottom					Bottom					Bottom			0.51	Bottom				G.(Bottom (m or ft)	ation	1	nber Zo	Client Name
						Silt		day			Silt		Lay	1-24 1-24		Silt		Lay	2	-	Silt		Clay		Silt	æ	Clay	Fine			14	14100-302	Devon
						Gravel		Sand			Gravel		Jana	Gand		Gravel		DUPC	2		Gravel		Samd		Gravel		Sand	Coarse	% Major (>50%)		Ba	1410	92
						Silt		Clay			Silt		Clay	VelO		Silt		Lidy	2		Silt		Clay		Silt		Clay	Fine	% Minor (10-40%)		Battery		
						Gravel		Sand			Gravel			Cand		Gravel		Salid		(Gravel		Sand	(Gravel		Sand	Coarse					
						Silt G		Clay S			Silt G					Silt G		Lidy			(SII)		Clay	(SIT O		Clay	Fine	% Trace (<10%)	T	в	B	B
					_	Gravel V		Sand Po			Gravel V			Cand D		Gravel V		Jailu		-	Gravel		Sand P	1	Gravel		Sand P	Coarse		Total Depth (m or ft)	orehole Dia	Borehole No.	Borehole Location
						Well Graded		Poorly Graded			Well Graded		Joint Graner	Poorly Graded		Well Graded		F OUTRY Gladed		(Well Graded		Poorly Graded		Well Graded		Poorly Graded	(Major and Coarse only)	Gradation	8	neter (in	B#	cation
					Coarse		Medium		Fine	Coarse		Medium		Fine	Coarse		Medium		Fine	Coarse		Medium	File	Coarse		Medium	Fine	Major	Ga	2:0	6:2	20.0	
					Coarse		Medium		Fine	Coarse		Medium		Fine	Coarse		Medium Medium		Fine	Coarse		Medium	Fine	Coarse	(Medium	Fine	Minor	Grain Size	4		-	1
					Saturated	Wet	Moist	Damp	Dry	Saturated	Wet	Moist	Damp	Dry	Saturated	Wet	Moist	Damp	Dry	Saturated	Wet	Moist	Damp	Saturated			Damp)	Moisture				
-				-		Very Plastic	Plastic	Slightly Plastic	Non Plastic		Very Plastic	Plastic	Slightly Plastic	Non Plastic		Very Plastic	Plastic	Slightly Plastic	Non Plastic		Very Plastic	Plastic	Non Plastic Slightly Plastic		Very Plastic	Plastic	Non Plastic Slightly Plastic		Plasticity	Drilling Method Hand	Drilling Company	End Date	Start Date
				Field Screening		stic	0	astic	stic		stic	0	lastic	stic		stic	0	lastic	stic		stic			1	astic	<u>.</u>		1	ity	ethod +	mpany		
				aning																		prown	reddish.			read	light		Color	25	Vertex	2-2026	3-2-2020
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				-																										Dep	Тор	Chec	Logg
																														Depth to Water (m or ft)	of Well Ele	Checked by	Logged by
																														r (m or ft)	Top of Well Elevation (m or ft)		C
																															or ft)		
			_																										Notes				
				_																										Page	UTI	mas	No
																														60 67 67	UTM Zone	Easting	Northing
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					1																												

Client Name	Devon	Š				Borehole Location	ocation				Start Date	3-2-2020	8	Logged by TC	Northing
20	E-0014	14%				Borehole No.	Vo. BK 20-		202		1.1	- 2 -	2020	Checked by	Easting
Tod	712	-			_	Borehole I	net	63	2		Drilling Company	y Vertex		Top of Well Elevation (m or ft)	UTM Zone
ä						Total Dept	Total Depth (m or ft)	0.5	4		Drilling Method	Hand	Anor	Depth to Water (m or ft)	Page of
Top Sottom (m or ft)	% Majo	% Major (>50%)	% Minor (10-40%)	inor 10%)	% Trace (<10%)	(<10%)	Gradation	ച	Grain Size	Moisture	Plasticity	openant and a second second		Notes	
	Fine	Coarse	Fine	Coarse	Fine	Coarse	(Major and Coarse only)	Major	Minor)		State of the state of the		
2	Clay	Cand	Clay	Sand	day	Ø	Poorly Graded	Fine	Fine	Damp	Slightly Plastic	1367			
0.0	v.)	Medium	Nedium	Moist	Plastic	prove			
	Silt	Gravel	Silt	Grave		Gravel	Well Graded	(Wet	Very Plastic				
								Coarse	Coarse	Saturated)				
Top Battom	Clay	Sand	Clay	Sand	Clay	Sand	Poorly Graded	Fine	Fine	Damp	Von Plastic Slightly Plastic	reddish			
0.50 0.51					1)	Medium	Medium	Moist	Plastic	brown			
-	Silt	Gravel	Silt	Grave		Gravel	Well Graded	((Wet	Very Plastic				
				(-	(Coarse	Coarse	Saturated					
Top Bottom	Clav	Sand	Clav	Sand	Clav	Sand	Poorly Graded	Fine	Fine	Dry	Non Plastic				
	ļ	-		-	cuy		, our or or other			Damp	Slightly Plastic				
								Medium	Medium	Moist	Plastic				
	Silt	Gravel	Silt	Gravel	Silt	Gravel	Well Graded			Wet	Very Plastic				
								Coarse	Coarse	Saturated		2			
Top Bottom	Clav	Sand	Clav	Sand	Clav	Sand	Poorly Graded	Fine	Fine	Dry	Non Plastic				
	(L)	-	Cey				outly brown			Damp	Slightly Plastic				
								Medium	Medium	Moist	Plastic				
	Silt	Gravel	Silt	Gravel	Silt	Gravel	Well Graded			Wet	Very Plastic				
								Coarse	Coarse	Saturated					
Top Bottom	Clay	Sand	Clay	Sand	Clay	Sand I	Poorly Graded	Fine	Fine	Dry	Non Plastic				
										Damp	Slightly Plastic				
								Medium	Medium	Moist	Plastic				
	Silt	Gravel	Silt	Gravel	Silt (Gravel	Well Graded			Wet	Very Plastic				
								Coarse	Coarse	Saturated					
											Field S	Field Screening		-	-
Depth (m or ft)				-1											
CVC/VOC (ppm or LEL)															
EC (µS/m or µS/cm)															
				_											

Client Name	1.1	Densy				Borehole Location	Location				Start Date	3-2-2020	G	Logged by	by UC	T			Northing	
iject Number \mathcal{V}	≥ E -00	241				Borehole No.	•	6420-0	20			2.2.2020	v	Checked by	d by				Easting	
Project Name Todd 14	11 29					Borehole	neter					, Vertex	r	Top of V	Top of Well Elevation (m or ft)	n (m orft)			UTM Zone	
roject Location						Total Dep	Total Depth (m or ft)	0.5	44		Drilling Method	thend	4-2	Depth t	Depth to Water (m or ft)	r ft)			Page	đ,
(m or ft) Bott	Bottom %1	% Major (>50%)		% Minor (10-40%)	% Trac	% Trace (<10%)	Gradation	Gai	Grain Size	Moisture	Plasticity	Color					Notes			
		Fine Coarse	rse Fine	Coarse	Fine	Coarse	(Major and Coarse only)	Major	Minor		5									
	-	day far	and day	Sand	day	Sand	Poorly Graded	Fine	Fine	Damp	Non Plastic Slightly Plastic	77641								
0,0 0.	-)	Medium	Medium	Moist	Plastic	boun								
	<u></u>	Silt Gravel	vel Silt	Gravel		Gravel	Well Graded	(Wet	Very Plastic									
-				((Coarse	Coarse	Saturated										
Top Bott	Bottom	day (Sand	Clay	Sand	Clay	Sand	Poorly Graded	Fine	Fine		No Plastic	reddsh								
0.50 0.5	2)	Non	Mediu	Moist	Plastic	bonn								
-	S	Silt Gravel	vel Silt	Gravel	(Gravel	Well Graded	((Wet	Very Plastic									
	<u></u>			((Coarse	Coarse	Saturated										
Top Bottom	1. Sugar				2	с 1		Fine	Fine	Dry	Non Plastic									
	Lay	dy Salid	d Clay	Sand	Liay	Sand	POONY Graded			Damp	Slightly Plastic			÷						
								Medium	Medium	Moist	Plastic									
	Silt	It Gravel	el Silt	Gravel	Silt	Gravel	Well Graded			Wet	Very Plastic									
								Coarse	Coarse	Saturated										
Top Bottom	lom Clay	ay Sand	d Clay	Sand	Clay	Sand	Poorly Graded	Fine	Fine	Dry	Non Plastic									
_					5		- cont			Damp	Slightly Plastic									
								Medium	Medium	Moist	Plastic									
	Silt	lt Gravel	el Silt	Gravel	Silt	Gravel	Well Graded			Wet	Very Plastic									
	-							Coarse	Coarse	Saturated										
Top Bottom	om Clay	ay Sand	d Clay	Sand	Clay	Sand	Poorly Graded	Fine	Fine	Dry	Non Plastic									
										Damp	Slightly Plastic									
								Medium Medium	Medium	Moist	Plastic									
	Silt	t Gravel	el Silt	Gravel	Silt	Gravel	Well Graded			Wet	Very Plastic									
-	-		-					Coarse	Coarse	Samtared	Field o	rooning								
											Field S	Field Screening	-	-	-			-		
Depth (m or ft)																				
CVC/VOC (ppm or LEL)	E																			
EC (µS/m or µS/cm)	3																			
	0																			

Client Name	Deron	101				Boreho	Borehole Location				10	Start Date	3-2-2020		Logged by	26		Northing
Project Number 20	m	00141	-			Borehole No.	HeNO. BHZO	20 -	04			End Date	1.		Checked by	y		Easting
roject Name	P	14				Boreho	Borehole Diameter (in)	30	JS	F		Drilling Company	Y Verte	Annex	Top of We	Top of Well Elevation (m or ft)		UTM Zone
Top Bottom		% Major (>50%)		% Minor (10-40%)	%Tra	% Trace (<10%)	(<10%) Gradation	c	Grain Siz	12.000	Macture	placticity Drinning Metriod	<u>D</u>		[w.c.poss	nebri Mineti (ili di là	Notes	1.02
farmer of the second se	Fine	Coarse	e Fine	Coarse	e Fine	Coarse	(Major and	Major	or Minor									
	day			-		-				Tine	Damp	(ion Plastic Slightly Plastic						
0.0 0.1	SI ·	Grave	SIE	Fravel		Gravel	I Well Grade	Medium	ym Medium		Moist Wet	Plastic Very Plastic	424					
_			1				1	Coarse		-	Saturated	5						
Top Bottom	Clay	Sand	Clay) Sand	Clay	Sand	Poorly Graded				Damp	Slightly Plastic	reddat Laun					
0.50 0.51	Silt	Gravel	SIIt	Gravel	9	Gravel	Well Grade		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Moist Wet Saturated	Plastic Very Plastic						
Top Bottom	Clay	Sand	Clay	Sand	Clay	Sand	Poorly Graded	id	e Fine		Dry Damp	Non Plastic Slightly Plastic			a.			
								Medium	um Medium		Moist	Plastic						
	Silt	Gravel	Silt	Gravel	Silt	Gravel	Well Graded		-		Wet	Very Plastic						
			-					Coarse	se Coarse		Saturated							
Top Bottom	Clay	Sand	Clay	Sand	Clay	Sand	Poorly Graded				Dry Damp	Non Plastic Slightly Plastic						
								Medi	Medium Medium			Plastic						
	Silt	Gravel	Silt	Grave	Silt	Gravel	Well Graded				Wet	Very Plastic						
					-			Coarse	se Coarse		Saturated							
Top Bottom	Clay	Sand	Clay	Sand	Clay	Sand	Poorly Graded	d Fine	Fine			Non Plastic						
					-			Media	Medium Medium		Damp Moist	Slightly Plastic Plastic						
	Silt	Gravel	Silt	Gravel	Silt	Gravel	Well Graded				Wet	Very Plastic						
	-							Coarse	se Coarse	-	Saturated							
					-		-					Field	Field Screening	-	-			-
Depth (m or ft)							~	and for a constraint of the second										
CVC/VOC (ppm or LEL)																		
EC (µS/m or µS/cm)																		
				1.00														

Sampling	EC (µS/m or µS/cm)	NCNOC (Depth (m or ft)						Тор					Тор					Тор			0.50	Top			0.0			Top (m or ft)	Project Location	roject Nam	roject Num	Client Name
h Campling (Check Roy)	or µS/cm)	CVC/VOC (ppm or LEL)	m or ft)						Bottom					Bottom					Bottom			0.51	Bottom			0.1			Bottom (m or ft)	tion	Project Name Todd	Project Number 206	J T m X
						Silt		Clay	2		Silt			Clay		Silt		J	с л		Silt		day		Silt	÷	Clay	Fine	% Majo		414	111000-	Devon
						Gravel		Sand	[Gravel			Sand		Gravel		-	Sand		Gravel		San		Gravel	(Coarse	% Major (>50%)			12	28
						Sitt		Clay			Sitt			Clay		Silt			ſlav		Silt		Clay		Silt		day	Fine	% Minor (10-40%)				
						Gravel		Sand			Gravel			Sand	-	Gravel			Sand	-	Gravel		Sand	((Travel)		Sand	Coarse	5.0	-			
						Silt G		Clay			Silt G			Clay		Silt G			rlav	((Silt) o		Clay		٩		day	Fine	% Trace (<10%)	1	07	03	0
				-	-	Gravel V		Sand Po			Gravel V			Sand P		Gravel 1			Cand D		Gravel		Sand		Gravel		Sand P	Coarse		Total Depth (m or ft)	orehole Di	Borehole Na.	Borehole Location
						Well Graded		Poorty Graded			Well Graded			Poorly Graded		Well Graded		contraction	Poorty Graded	(Well Graded)	Poorly Graded	(Well Graded		Poorly Graded	(Major and Coarse only)	Gradation	(m or ft)	Borehole Diameter (in)	· BH20	cation
					Coarse		Medium		Fine	Coarse		Medium		Fine	Coarse		Medium		Fine	Coarse	(Mediu	Fine	Coarse	(Medium	Fine	Major	Ga	1.	5 3	5.	
					Coarse		Medium		Fine	Coarse		Medium		Fine	Coarse		Medium		Fine	Coarse		Wediym		Coarse		Medium	Fine	Minor	Grain Size	っち	>	3	
					Saturated	Wet	Moist	Damp	Dry	Saturated	Wet	Moist	Damp	Dry	Saturated	Wet	Moist	Damp	Dry	Saturated	Wet	Moist	Damp	Saturated				2	Moisture	+			
				Field		Very Plastic	Plastic	Slightly Plastic	Non Plastic		Very Plastic	Plastic	Slightly Plastic	Non Plastic		Very Plastic	Plastic	Slightly Plastic	Non Plastic		Very Plastic	Plastic	Non Plastic Slightly Plastic		Very Plastic	Plastic	Non Plastic)	Plasticity	Drilling Method	Drilling Company	. End Date	Start Date
				Field Screening				n					ñ					i.				barn	reddy h			boun	1344			od Hand	anyンウキメ	2-250	3.2-2020
				-											-)	5-			3				id Aroc	¥	de	2020
				-																										1			
				-																										Depti	Тор с	Ched	Logged by
				_																										Depth to Water (m or ft)	f Well Elev	Checked by	ed by
																														(m or ft)	Top of Well Elevation (m or ft)		
	_			-																											orft)		
																													Notes				
				-																										Page	UTI	mas	No
																														ro	UTM Zone	Easting	Northing
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																												1					

Samplin	EC (µS/r	CVC/VOC	/30/20 Depth						Top					Top					Тор			050	Тор			0.0))		Top (m or ft)	P roject Location	roject Nai	Project Number	lient Nan
b Sampling (Check Box)	EC (µS/m or µS/cm)	CVC/VOC (ppm or LEL)	Depth (m or ft)	-					Bottom					Bottom					Bottom			0.5	Bottom			0.1			Bottom (m or ft)	ation	me To 2	mber VSE-	Client Name
						Silt		Clay	Veh V		Silt			Clav	-	Silt					Silt		day		Silt		Clay	Fine	1		44 1	6-0	De
					-	Gravel		Salid	Cand.		Gravel			Sand		Gravel		-	C		Gravel	(Sand		Gravel		Cand	Coarse	% Major (>50%)		2	.00141	Veron
						Silt		clay	rlav		Sit			Clav		Silt		5	n'av				Clay	(Sat		Clay	Fine	% Minor (10-40%)				
						Gravel		Calic	Sand		Gravel			Sand		Gravel		-	0 3 3 1.		Gravel		Sand		Gravel		Sand	Coarse	inor 10%)				
						Silt G		Clay			Silt			Clav		Silt o					Silt		Clay		Silt		Clay	Fine	% Trace (<10%)		w		w
						Gravel V					Gravel V			Sand P	-	Gravel			0	-	Gravel		Sand P		Gravel		Sand	Coarse		Total Depth (m or ft)	orehole Di	Borehole No.	Borehole Location
						Well Graded		r oony gladed	onty Granland		Well Graded			Poorly Graded		Well Graded		oony oncore	Doorly Gladed		Well Graded)	Poorly Graded		Well Graded))	Poorly Graded	(Major and Coarse only)	Gradation	(m or ft)	nete	B6	cation
					Coarse		Medium		Fine	Coarse		Medium		Fine	Coarse		Medium		Fine	Coarse		Medium	6	Coarse		Medium	Fin	Major	Gra	0.5	6 7	3	
					Coarse		Medium		Fine	Coarse		Medium		Fine	Coarse		Medium Medium		Fine	Coarse		Medium	۲	Coarse		Medium	Fire	Minor	Grain Size	17	3	0	
					Saturated	Wet	Moist	Damp	Dry	Saturated	Wet	Moist	Damp	Dry	Saturated	Wet	Moist	Damp	Dry	Saturated		Moist	Damp	Saturated	Wet		Damp		Moisture	1			
				Fie		Very Plastic	Plastic	Slightly Plastic	Non Plastic		Very Plastic	Plastic	Slightly Plastic	Non Plastic		Very Plastic	Plastic	Slightly Plastic	Non Plastic		Very Plastic	Plastic	Non Plastic		Very Plastic	Plastic	Non Plastic Slightly Plastic		Plasticity	Drilling Method	Drilling Company	· End Date	Start Date
				Field Screening	-			tic					tic			0		tic	- 0		n'	-	the fed		ñ.		the red			not Hand	Dany Ve	2-2	5- 6-6060
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				_																										0			F
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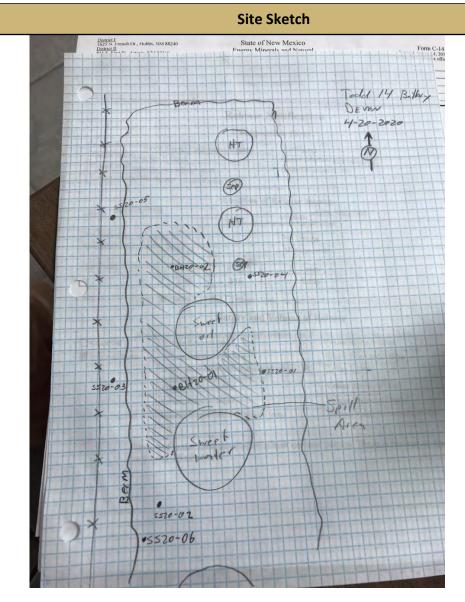
VERTEX

Daily	Site	Visit	Report	
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Client:	Devon Energy Corporation	Inspection Date:	4/20/2020
Site Location Name:	Todd 14 Battery	– Report Run Date:	4/21/2020 12:48 AM
Project Owner:	Amanda Davis	– File (Project) #:	20E-00141
Project Manager:	Natalie Gordon	- API #:	
Client Contact Name:	Amanda Davis	- Reference	08/20/2019 - 4bbl PW Release
Client Contact Phone #:	(575) 748-0176	-	
		Summary of	Times
Left Office	4/20/2020 10:30 AM		
Arrived at Site	4/20/2020 11:25 AM		
Departed Site	4/20/2020 5:08 PM		
Returned to Office	4/20/2020 6:10 PM		

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Run on 4/21/2020 12:48 AM UTC



Summary of Daily Operations

11:25 Arrive on site.

Complete safety paperwork. Delineate spill. Field screen and record in DFR. Return to office.

Next Steps & Recommendations

1 Send delineation samples to lab

2 Schedule remediation

				Sam	pling			
H20-01								
Depth	ft VOC PID	Petro Flag TPH ppm	Quantab Range ppm	Quantab Reading ppm	Lab Analysis	Picture	Trimble Location	Marked On Site Sketch?
0.5 ft			High (300- 6000ppm)	3700 ppm	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (SW- 4500 Cl), TPH (EPA SW-846 Method 8015M)	\checkmark	32.302529, - 103.751206	Yes
1 ft.			High (300- 6000ppm)	996 ppm		\checkmark	32.302529, - 103.751206	Yes
2 ft.			High (300- 6000ppm)	3752 ppm		\checkmark	32.302529, - 103.751206	Yes
3 ft.			High (300- 6000ppm)	3352 ppm	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (SW- 4500 Cl), TPH (EPA SW-846 Method 8015M)	\checkmark	32.302529, - 103.751206	Yes

ily Site	Visit Re	port						VERTEX
4 ft.			High (300- 6000ppm)	20000 ppm		\checkmark	32.302529, - 103.751206	Yes
0-02	1							
Depth ft	VOC PID	Petro Flag TPH ppm	Quantab Range ppm	Quantab Reading ppm	Lab Analysis	Picture	Trimble Location	Marked Or Site Sketch
0.5 ft.			High (300- 6000ppm)	20000 ppm		\checkmark	32.302643, - 103.751193	Yes
1 ft.			High (300- 6000ppm)	2367 ppm		\checkmark	32.302643, - 103.751193	Yes
0-01	1				I			1
Depth ft	VOC PID	Petro Flag TPH ppm	Quantab Range ppm	Quantab Reading ppm	Lab Analysis	Picture	Trimble Location	Marked Or Site Sketch
O ft.			Low (30-600 ppm)	342 ppm	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (SW- 4500 Cl), TPH (EPA SW-846 Method 8015M)	\checkmark	32.302517, - 103.751100	Yes
0-02								
Depth ft	VOC PID	Petro Flag TPH ppm	Quantab Range ppm	Quantab Reading ppm	Lab Analysis	Picture	Trimble Location	Marked Or Site Sketch
O ft.			High (300- 6000ppm)	2201 ppm		\checkmark	32.302477, - 103.751196	Yes

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VOC PID

Petro Flag

TPH ppm

Quantab

Range ppm

Low (30-600

ppm)

			VERTEX
Lab Analysis	Picture	Trimble Location	Marked On Site Sketch?
BTEX (EPA SW-846 Method 8021B/8260B), Chloride (SW- 4500 Cl), TPH (EPA SW-846 Method 8015M)	\checkmark	32.302520, - 103.751220	Yes
Lab Analysis	Picture	Trimble Location	Marked On Site Sketch?
BTEX (EPA SW-846 Method		22 202020	

SS20-04

SS20-03

Depth ft

0 ft.

	Depth ft	VOC PID	Petro Flag TPH ppm	Quantab Range ppm	Quantab Reading ppm	Lab Analysis	Picture	Trimble Location	Marked On Site Sketch?
	O ft.			Low (30-600 ppm)	1 ppm	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (SW- 4500 Cl), TPH (EPA SW-846 Method 8015M)	\checkmark	32.302626, - 103.751123	Yes
SS2	0-05								
	Depth ft	VOC PID	Petro Flag TPH ppm	Quantab Range ppm	Quantab Reading ppm	Lab Analysis	Picture	Trimble Location	Marked On Site Sketch?

Quantab

Reading ppm

1 ppm

Deptil It	VOOTID	TPH ppm	Range ppm	Reading ppm		Tioture		Site Sketch?	
0 ft.			Low (30-600 ppm)	1 ppm	BTEX (EPA SW-846 Method 8021B/8260B), Chloride (SW- 4500 Cl), TPH (EPA SW-846 Method 8015M)	\checkmark	32.302670, - 103.751230	Yes	

SS20-06

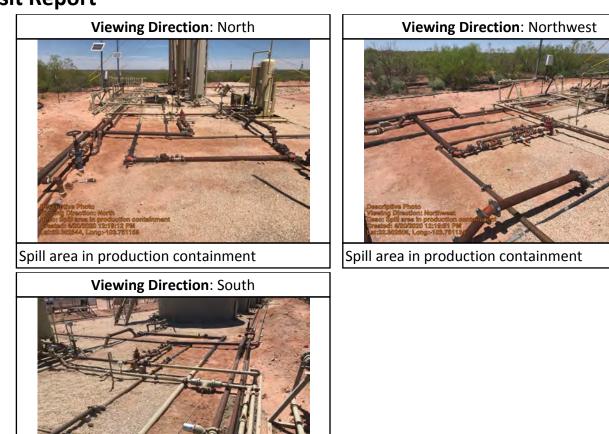
,								
Depth ft	VOC PID	Petro Flag TPH ppm	Quantab Range ppm	Quantab Reading ppm	Lab Analysis	Picture	Trimble Location	Marked On Site Sketch?
0 ft.			High (300- 6000ppm)	2808 ppm		<	32.302471, - 103.751223	Yes

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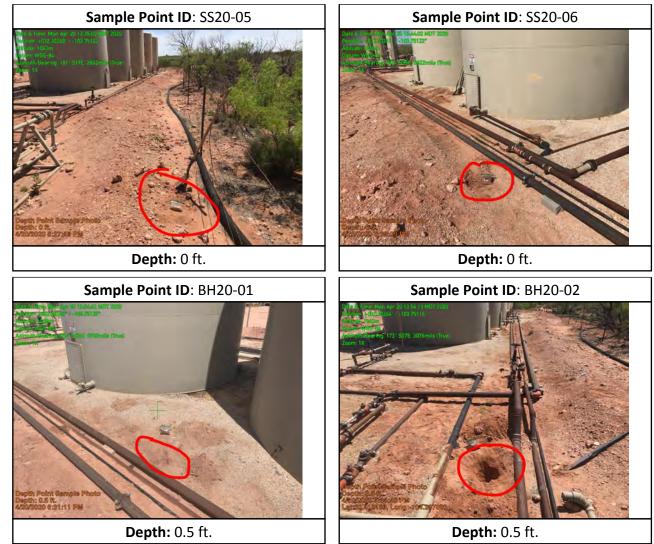
Run on 4/21/2020 12:48 AM UTC

Spill area in production containment



Depth Sample Photos Sample Point ID: SS20-01 Sample Point ID: SS20-02 Depth: 0 ft. Depth: 0 ft. Sample Point ID: SS20-03 Sample Point ID: SS20-04 :24:47 PM 255, Long:-104.237085 Depth: 0 ft. Depth: 0 ft.







Daily Site Visit Signature

Inspector: Austin Harris

Signature:

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VERTEX

Daily Site Visit Report

Client:	Devon Energy Corporation	Inspection Date:	5/22/2020
Site Location Name:	Todd 14 Battery	- Report Run Date:	5/22/2020 5:25 PM
Project Owner:	Amanda Davis	- File (Project) #:	20E-00141
Project Manager:	Natalie Gordon	- API #:	
Client Contact Name:	Amanda Davis	Reference	08/20/2019 - 4bbl PW Release
Client Contact Phone #:	(575) 748-0176	-	
		Summary of	Times
Left Office	5/22/2020 6:18 AM		
Arrived at Site	5/22/2020 7:14 AM		
Departed Site			
Returned to Office			

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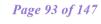


Site Sketch



Run on 5/22/2020 5:25 PM UTC

Released to Imaging: 7/1/2024 1:27:20 PM





-			6			
	nill Res	nonse and	d Sampling			
	lent:	ponse and	Devon			Initial Spill Inform
	ate:		5/22/	20		Spill Date:
6 E.	e Name:		Todd		attery	Spill Volume:
	e Location:					Spill Cause:
	piect Owner:			11.		Spill Product:
	ject Manager					Recovered Spill
	ject #:			1.1.1		Recovery Metho
ls l				Field Screening	Sampling	Dat
	Sample ID	Depth (ft)	VOC (PID)	PetroFlag TPH (ppm)	Quantab (High/Low) + or -	Lab Analysis
Б	P/BH - Year - Number k. BH18-01	Ex. 'Zft	Ex. 400 ppm	200 ppm	Ex. 'High +	Ex. Hydrocarbor Chloride
8:00 5:	51	O-aut		1110	0.10/18.8	
8.05	1	0.5		69	0.11/19.5	-
9:40B	51			201	0.19/22.3	
8:45BS	2				0.07/22.1	
8:50 BS	3			1.00	0.62/21.8	
8:55 BS	4			172	1.80/24.4	
9:00 BS		1		1	0.25/	1
9'.05 BS	10	2		121	0.18/25	
8:20B5	2			107	0.10	
0.			-	171	0.35/	
	8			distant.	120.	0
9:10BS	9			169	0.7%25.6	
				i star	1	1
		/			1	-
		1		1	-	

Run on 5/22/2020 5:25 PM UTC

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Summary of Daily Operations

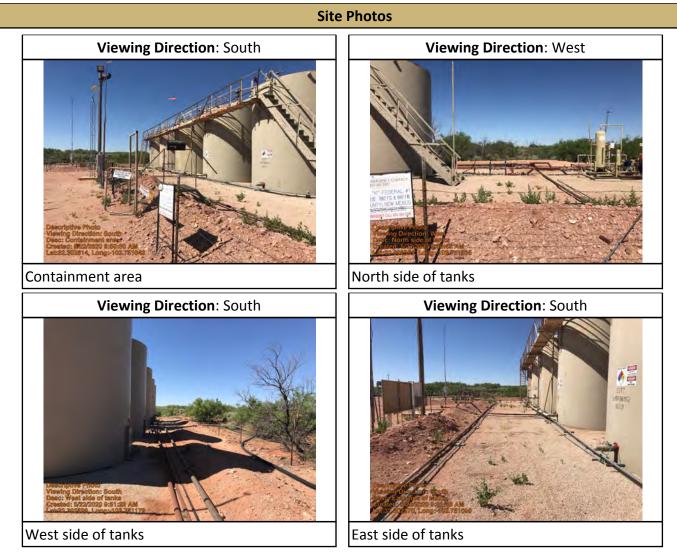
- 7:15 Recollect one horizontal sample for initial characterization and collect confirmation samples
- 8:20 Extended the spill boundary after locating the new ss1 sample for clean. 9 base samples being collected. Will run bs7 for TPH due to it being in the area that shows signs of higher tph levels
- **9:57** Collected a total number of 9 base samples. Ran a few samples petroflag to check that they would not be questionable.

Next Steps & Recommendations

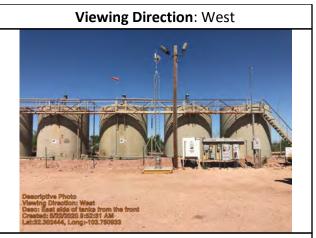
- **1** Send samples to lab for analysis
- 2 Begin closure report
- 3 Finish geomatics requests for figures

Released to Imaging: 7/1/2024 1:27:20 PM









East side of tanks from the front

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Daily Site Visit Signature

Inspector: Monica Peppin

Signature:

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ATTACHMENT 6

Natalie Gordon

From:	Dhugal Hanton <vertexresourcegroupusa@gmail.com></vertexresourcegroupusa@gmail.com>
Sent:	Tuesday, May 19, 2020 4:35 PM
То:	Natalie Gordon
Subject:	Fwd: NRM2000935403: Todd 14 Battery - 48-hr Notification of Confirmation Sampling

----- Forwarded message ------

From: Dhugal Hanton <<u>vertexresourcegroupusa@gmail.com</u>> Date: Tue, May 19, 2020 at 1:27 PM Subject: NRM2000935403: Todd 14 Battery - 48-hr Notification of Confirmation Sampling To: Bratcher, Mike, EMNRD <<u>Mike.Bratcher@state.nm.us</u>>, Venegas, Victoria, EMNRD <<u>Victoria.Venegas@state.nm.us</u>>, Hamlet, Robert, EMNRD <<u>Robert.Hamlet@state.nm.us</u>>, CFO_Spill, BLM_NM <<u>blm_nm_cfo_spill@blm.gov</u>>, Amos, James A <<u>Jamos@blm.gov</u>>, Kelsey <<u>KWade@blm.gov</u>> Cc: <<u>Lupe.Carrasco@dvn.com</u>>, <<u>amanda.davis@dvn.com</u>>, <<u>tom.bynum@dvn.com</u>>, <<u>wesley.mathews@dvn.com</u>>

All,

Please accept this email as 48-hr notification that Vertex Resource Services has scheduled confirmatory sampling to be conducted at Todd 14 Battery for the release that occurred on August 20, 2019, incident tracking #: NRM2000935403.

This work will be completed on behalf of Devon Energy Production Company.

On Friday, May 22, 2020 at approximately 9:00 a.m., Monica Peppin of Vertex will be onsite to conduct confirmatory sampling. She can be reached at 575-361-9880. If you need directions to the site, please do not hesitate to contact her. If you have any questions or concerns regarding this notification, please give me a call at 505-506-0040.

Thank you, Natalie

Natalie Gordon Project Manager

Vertex Resource Group Ltd. 213 S. Mesa Street Carlsbad, NM 88220

P 575.725.5001 ext 709 C 505.506.0040 F

www.vertex.ca

Confidentiality Notice: This message and any attachments are solely for the intended recipient and may contain confidential or privileged information. If you are not the intended recipient, any disclosure, copying, use, or distribution of the information included in this message and any attachment is prohibited. If you have received this communication in error, please notify us by reply email and immediately and permanently delete this message and any attachments. Thank you.

ATTACHMENT 7

HALL ENVIRONMENTAL ANALYSIS LABORATORY

April 28, 2020

Amanda Davis Devon Energy 6488 Seven Rivers Highway Artesia, NM 88210 TEL: (505) 350-1336 FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 2004943

RE: Todd 14 Battery

Dear Amanda Davis:

Hall Environmental Analysis Laboratory received 6 sample(s) on 4/22/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 2004943

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/28/2020

CLIENT: Devon Energy		Clien	it San	nple ID:	SS20-0	01 0.0'
Project: Todd 14 Battery		Col	lectio	on Date:	4/20/2	020 12:00:00 PM
Lab ID: 2004943-001	Matrix: SOIL	Re	eceive	ed Date:	4/22/2	020 10:35:00 AM
Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst: BRM
Diesel Range Organics (DRO)	700	170		mg/Kg	20	4/25/2020 5:09:10 AM
Motor Oil Range Organics (MRO)	1800	830		mg/Kg	20	4/25/2020 5:09:10 AM
Surr: DNOP	0	55.1-146	S	%Rec	20	4/25/2020 5:09:10 AM
EPA METHOD 8015D: GASOLINE RANGE	E					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/26/2020 4:00:00 PM
Surr: BFB	97.9	66.6-105		%Rec	1	4/26/2020 4:00:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/26/2020 4:00:00 PM
Toluene	ND	0.048		mg/Kg	1	4/26/2020 4:00:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	4/26/2020 4:00:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	4/26/2020 4:00:00 PM
Surr: 4-Bromofluorobenzene	98.2	80-120		%Rec	1	4/26/2020 4:00:00 PM
EPA METHOD 300.0: ANIONS						Analyst: MRA
Chloride	400	60		mg/Kg	20	4/25/2020 4:51:47 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded ND

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit S

% Recovery outside of range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 10

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Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004943 Date Reported: 4/28/2020

CLIENT: Devon Energy		Client S	Sample ID:	SS20-	03 0.0'
Project: Todd 14 Battery		Collec	ction Date:	4/20/2	020 12:30:00 PM
Lab ID: 2004943-002	Matrix: SOIL	Rece	vived Date:	4/22/2	020 10:35:00 AM
Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	4/25/2020 5:33:01 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/25/2020 5:33:01 AM
Surr: DNOP	59.6	55.1-146	%Rec	1	4/25/2020 5:33:01 AM
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/26/2020 4:23:32 PM
Surr: BFB	99.1	66.6-105	%Rec	1	4/26/2020 4:23:32 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	4/26/2020 4:23:32 PM
Toluene	ND	0.049	mg/Kg	1	4/26/2020 4:23:32 PM
Ethylbenzene	ND	0.049	mg/Kg	1	4/26/2020 4:23:32 PM
Xylenes, Total	ND	0.097	mg/Kg	1	4/26/2020 4:23:32 PM
Surr: 4-Bromofluorobenzene	99.6	80-120	%Rec	1	4/26/2020 4:23:32 PM
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	110	60	mg/Kg	20	4/25/2020 5:53:51 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit S
 - % Recovery outside of range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Analytical Report Lab Order 2004943

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/28/2020

CLIENT: Devon Energy	Client Sample ID: SS20-04 0.0'						
Project: Todd 14 Battery		Collec	tion Date:	4/20/2	020 1:00:00 PM		
Lab ID: 2004943-003	Matrix: SOIL	Rece	ived Date:	2020 10:35:00 AM			
Analyses	Result	RL Qua	al Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM		
Diesel Range Organics (DRO)	ND	8.4	mg/Kg	1	4/23/2020 6:42:49 PM		
Motor Oil Range Organics (MRO)	ND	42	mg/Kg	1	4/23/2020 6:42:49 PM		
Surr: DNOP	96.6	55.1-146	%Rec	1	4/23/2020 6:42:49 PM		
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: NSB		
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	4/26/2020 4:47:03 PM		
Surr: BFB	100	66.6-105	%Rec	1	4/26/2020 4:47:03 PM		
EPA METHOD 8021B: VOLATILES					Analyst: NSB		
Benzene	ND	0.023	mg/Kg	1	4/26/2020 4:47:03 PM		
Toluene	ND	0.046	mg/Kg	1	4/26/2020 4:47:03 PM		
Ethylbenzene	ND	0.046	mg/Kg	1	4/26/2020 4:47:03 PM		
Xylenes, Total	ND	0.092	mg/Kg	1	4/26/2020 4:47:03 PM		
Surr: 4-Bromofluorobenzene	100	80-120	%Rec	1	4/26/2020 4:47:03 PM		
EPA METHOD 300.0: ANIONS					Analyst: MRA		
Chloride	66	60	mg/Kg	20	4/25/2020 6:06:15 AM		

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

- PQL Practical Quanitative Limit S
 - % Recovery outside of range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Analytical Report
Lab Order 2004943

Hall Environmental Analysis Laboratory, Inc.

Lab Order **2004943** Date Reported: **4/28/2020**

CLIENT: Devon Energy		Client	Sample ID:	SS20-	05 0.0'
Project: Todd 14 Battery		Colle	ction Date:	4/20/2	020 1:30:00 PM
Lab ID: 2004943-004	Matrix: SOIL	Rec	eived Date:	4/22/2	020 10:35:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	4/23/2020 7:07:05 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	4/23/2020 7:07:05 PM
Surr: DNOP	99.2	55.1-146	%Rec	1	4/23/2020 7:07:05 PM
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/26/2020 5:57:25 PM
Surr: BFB	99.5	66.6-105	%Rec	1	4/26/2020 5:57:25 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	4/26/2020 5:57:25 PM
Toluene	ND	0.048	mg/Kg	1	4/26/2020 5:57:25 PM
Ethylbenzene	ND	0.048	mg/Kg	1	4/26/2020 5:57:25 PM
Xylenes, Total	ND	0.096	mg/Kg	1	4/26/2020 5:57:25 PM
Surr: 4-Bromofluorobenzene	101	80-120	%Rec	1	4/26/2020 5:57:25 PM
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	ND	60	mg/Kg	20	4/25/2020 6:18:39 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

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CLIENT: Devon Energy

Analytical Report Lab Order 2004943

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/28/2020 Client Sample ID: BH20-01 0.5'

Project: Todd 14 Battery		Collec	ction Date:	4/20/2	020 1:45:00 PM	
Lab ID: 2004943-005	Matrix: SOIL	Rece	Received Date: 4/22/2020 10:35:00 AM			
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM	
Diesel Range Organics (DRO)	ND	8.3	mg/Kg	1	4/23/2020 7:31:09 PM	
Motor Oil Range Organics (MRO)	ND	41	mg/Kg	1	4/23/2020 7:31:09 PM	
Surr: DNOP	99.2	55.1-146	%Rec	1	4/23/2020 7:31:09 PM	
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/26/2020 6:20:50 PM	
Surr: BFB	99.8	66.6-105	%Rec	1	4/26/2020 6:20:50 PM	
EPA METHOD 8021B: VOLATILES					Analyst: NSB	
Benzene	ND	0.024	mg/Kg	1	4/26/2020 6:20:50 PM	
Toluene	ND	0.048	mg/Kg	1	4/26/2020 6:20:50 PM	
Ethylbenzene	ND	0.048	mg/Kg	1	4/26/2020 6:20:50 PM	
Xylenes, Total	ND	0.096	mg/Kg	1	4/26/2020 6:20:50 PM	
Surr: 4-Bromofluorobenzene	99.2	80-120	%Rec	1	4/26/2020 6:20:50 PM	
EPA METHOD 300.0: ANIONS					Analyst: JMT	
Chloride	3200	150	mg/Kg	50	4/27/2020 1:02:16 AM	

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit S

% Recovery outside of range due to dilution or matrix

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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CLIENT: Devon Energy

Analytical Report Lab Order 2004943

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/28/2020 Client Sample ID: BH20-01 3.0' Collection Date: 4/20/2020 2:00:00 PM

Project: Todd 14 Battery	Collection Date: 4/20/2020 2:00:00 PM								
Lab ID: 2004943-006	Matrix: SOIL	Received Date: 4/22/2020 10:35:00 AM							
Analyses	Result	al Units	DF	Date Analyzed					
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM				
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	4/23/2020 7:55:25 PM				
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/23/2020 7:55:25 PM				
Surr: DNOP	103	55.1-146	%Rec	1	4/23/2020 7:55:25 PM				
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: NSB				
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	4/26/2020 6:44:17 PM				
Surr: BFB	100	66.6-105	%Rec	1	4/26/2020 6:44:17 PM				
EPA METHOD 8021B: VOLATILES					Analyst: NSB				
Benzene	ND	0.024	mg/Kg	1	4/26/2020 6:44:17 PM				
Toluene	ND	0.047	mg/Kg	1	4/26/2020 6:44:17 PM				
Ethylbenzene	ND	0.047	mg/Kg	1	4/26/2020 6:44:17 PM				
Xylenes, Total	ND	0.094	mg/Kg	1	4/26/2020 6:44:17 PM				
Surr: 4-Bromofluorobenzene	99.2	80-120	%Rec	1	4/26/2020 6:44:17 PM				
EPA METHOD 300.0: ANIONS					Analyst: MRA				
Chloride	1300	59	mg/Kg	20	4/25/2020 6:43:29 AM				

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit S
 - % Recovery outside of range due to dilution or matrix

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Client: Project:		n Energy 14 Battery										
Sample ID: MI	B-52083 SampType: mblk			TestCode: EPA Method 300.0: Anions								
Client ID: PE	BS	Batch ID: 52083			RunNo: 68395							
Prep Date: 4	/24/2020	Analysis D	Analysis Date: 4/25/2020			SeqNo: 2367114			Units: mg/Kg			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride		ND	1.5									
Sample ID: LC	CS-52083	SampT	SampType: Ics TestCode: EPA Method					300.0: Anion	s			
Client ID: LC	css	Batch ID: 52083			RunNo: 68395							
Prep Date: 4	/24/2020	Analysis Date: 4/25/2020		SeqNo: 2367115		Units: mg/K	g					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride		14	1.5	15.00	0	94.9	90	110				

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2004943

28-Apr-20

WO#:

Released to Imaging: 7/1/2024 1:27:20 PM

	Energy 14 Battery									
Sample ID: LCS-52025	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batc	h ID: 52	025	F	RunNo: 6	8357				
Prep Date: 4/22/2020	Analysis [Date: 4/	23/2020	S	SeqNo: 2	366142	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	10	50.00	0	120	70	130			
Surr: DNOP	6.3		5.000		125	55.1	146			
Sample ID: MB-52025	Samp	Type: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batc	h ID: 52	025	F	RunNo: 6	8357				
Prep Date: 4/22/2020	Analysis [Date: 4/	23/2020	S	SeqNo: 2	366143	Units: mg/k	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	13		10.00		129	55.1	146			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2004943

28-Apr-20

	Energy 4 Battery									
	Ū									
Sample ID: mb-52018	Samp	Type: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: PBS	Batc	h ID: 52	018	F	RunNo: 6	8422				
Prep Date: 4/22/2020	Analysis [Date: 4/	26/2020	S	SeqNo: 2	367394	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	66.6	105			
Sample ID: Ics-52018	Samp	Гуре: LC	s	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	е	
Client ID: LCSS	Batc	h ID: 52	018	F	RunNo: 6	8422				
Prep Date: 4/22/2020	Analysis [Date: 4/	26/2020	S	SeqNo: 2	367395	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.6	80	120			
Surr: BFB	1100		1000		114	66.6	105			S

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2004943

28-Apr-20

Client: Dev	on Energy										
Project: Tod	d 14 Battery										
Sample ID: mb-52018	Samp	Гуре: МЕ	BLK	TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batc	h ID: 52	018	F	RunNo: 6	8422					
Prep Date: 4/22/2020	Analysis [Date: 4/	26/2020	S	SeqNo: 2	367486	Units: mg/K	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120				
Sample ID: LCS-52018	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles			
Client ID: LCSS	Batc	h ID: 52	018	F	RunNo: 6	8422					
Prep Date: 4/22/2020	Analysis [Date: 4/	26/2020	S	SeqNo: 2	367487	Units: mg/K	íg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.90	0.025	1.000	0	90.2	80	120				
Toluene	0.93	0.050	1.000	0	92.9	80	120				
Ethylbenzene	0.95	0.050	1.000	0	95.0	80	120				
Kylenes, Total	2.9	0.10	3.000	0	95.8	80	120				
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120				

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

Page 10 of 10

2004943

28-Apr-20

- - в Analyte detected in the associated Method Blank

 - RL Reporting Limit

HALL	30/2024 1:25:32 PM CONMENTAL YSIS RATORY	Hall Environm TEL: 505-345- Website: ww	490 Albuquero 3975 FAX:)1 Hawkin jue, NM 8 505-345-	ns NE 87109 Sar -4107	Page
Client Name:	DEVON ENERGY	Work Order Nur	nber: 200	4943		RcptNo: 1
Received By:	Scott Anderson	4/22/2020 8:00:00	AM	1035-	Sunn	
Completed By: Reviewed By:	Isaiah Ortiz MG	4/22/2020 10:40:0 YNN	96 AM		INC	24
Chain of Cus	tody					
	ustody sufficiently complet	e?	Yes	V	No 🗌	Not Present
2. How was the	sample delivered?		Cou	rier		
Log In						
3. Was an attem	pt made to cool the sampl	es?	Yes		No 🗌	
4. Were all samp	oles received at a tempera	ture of >0° C to 6.0°C	Yes		No 🗌	
5. Sample(s) in p	proper container(s)?		Yes		No 🗌	
6. Sufficient sam	ple volume for indicated te	st(s)?	Yes		No 🗌	
7. Are samples (except VOA and ONG) pro	perly preserved?	Yes	~	No 🗌	
8. Was preservat	tive added to bottles?		Yes		No 🔽	NA 🗌
9. Received at le	ast 1 vial with headspace	<1/4" for AQ VOA?	Yes		No 🗌	NA 🗹
10. Were any san	nple containers received b	roken?	Yes		No 🔽	# of preserved
	rk match bottle labels? Incies on chain of custody		Yes		No 🗌	bottles checked for pH: (<2.or>12 unless noted
12. Are matrices c	orrectly identified on Chair	n of Custody?	Yes	~	No 🗌	Adjusted?
13. Is it clear what	analyses were requested	?	Yes	~	No 🗌	
	ng times able to be met? Istomer for authorization.)		Yes		No 🗌	Checked by: JRU 22
	ing (if applicable)					
	tified of all discrepancies v	vith this order?	Yes		No 🗌	NA 🔽
Person	Notified:	Date	B:	_		
By Who	m:	Via:	🗌 eM	ail 🗌 F	Phone 🗌 Fax	In Person
Regardi	ng:		-			
Client Ir	structions:			-		
16. Additional rer	marks:					
17. <u>Cooler Infor</u> Cooler No 1		Seal Intact Seal No Not Present	Seal D	ate	Signed By	

Page 1 of 1

RONMENTAL I ARODATODY			1:25	5:32 PN	1											Page	- 113 of
HALL ENVIRONMENTAL	allenvironme - Albuquero	An o		9S '≉Oc	1 ' ^z () , ИС	-VC 103 103	PPHs by 83 RCRA 8 Me 8260 (VOA) 8250 (VOA) 8250 (Semi 70tal Colifo)-					>			ec: lvatali e coraon
	4901 Hawkins NE	Tel. 505-345-3975	1.000	св, ²) \ МК() איז דר מאכר	308/s 1 / 03	Rebi B D D D D D D D D D D D D D D D D D D	BTEX / MT BDB (Metho BDB (Metho	D-					A A		Remarks:	LC: Natal
2007	Sattery	636369	1 1	den	40.010			2004943	100 -	100-	< 003	100,	- 005	200-		Date Time P	1. Date Time
d D Rush	X	E-0014	ager:	alle lad	Arear A	Yes	1	Preservative Type	lee	-			11	>		Via:	Fed Ex 1
Turn-Around Time:	Project Name:	Project #:	Project Manage	Natal	-	Sampler: / On Ice:	# of Coolers:	Cooler Temp(including CF); Container Preserva Type and # Type	Unstar	1			//	~		Received by:	Received by:
cord	RGY			(alidation)				a)	0.0	0.0	0.0	0.0-	0.5'	3.0'			
Chain-of-Custody Record	JEVON ENERGY			Volidation		npliance		Sample Name	10-0255	5520-03	2520-04	5520-05	BH20-01	10-0248		h in the	by:
-of-Cu						Other		Matrix	Soil	1							Relinquished by:
Chain t	Mailing Address:	e#:	email or Fax#:	QA/QC Package:		Accreditation:	□ EDD (Type)	Time	0	0 1230	1300	1330	13:45	1-100			Time:
Client:		# auoud 7/1/2024			5 . PM			Date	1-20-20	4.20-2020	-			\geq		Date:	Date:



June 02, 2020

Amanda Davis Devon Energy 6488 Seven Rivers Highway Artesia, NM 88210 TEL: (505) 350-1336 FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 2005A41

RE: Todd 14 Battery

Dear Amanda Davis:

Hall Environmental Analysis Laboratory received 9 sample(s) on 5/23/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 2005A41

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/2/2020
Client Sample ID: BS20-01 0'

Project: Todd 14 Battery Collection Date: 5/22/2020 8:40:00 AM									
Lab ID:	2005A41-001	Matrix: SOIL	Received Date: 5/23/2020 8:00:00 AM						
Analyses		Result	RL Qu	al Units	DF	Date Analyzed			
EPA MET	THOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst: CLP			
Diesel R	ange Organics (DRO)	ND	9.7	mg/Kg	1	5/27/2020 7:53:39 PM			
Motor Oi	I Range Organics (MRO)	ND	48	mg/Kg	1	5/27/2020 7:53:39 PM			
Surr: I	DNOP	90.6	55.1-146	%Rec	1	5/27/2020 7:53:39 PM			
EPA MET	THOD 300.0: ANIONS					Analyst: MRA			
Chloride		4100	150	mg/Kg	50	6/1/2020 7:02:36 PM			
EPA MET	THOD 8260B: VOLATILES S	HORT LIST				Analyst: RAA			
Benzene)	ND	0.023	mg/Kg	1	5/27/2020 12:02:41 PM			
Toluene		ND	0.046	mg/Kg	1	5/27/2020 12:02:41 PM			
Ethylben	izene	ND	0.046	mg/Kg	1	5/27/2020 12:02:41 PM			
Xylenes,	Total	ND	0.092	mg/Kg	1	5/27/2020 12:02:41 PM			
Surr:	1,2-Dichloroethane-d4	91.2	70-130	%Rec	1	5/27/2020 12:02:41 PM			
Surr: 4	4-Bromofluorobenzene	97.2	70-130	%Rec	1	5/27/2020 12:02:41 PM			
Surr: I	Dibromofluoromethane	94.3	70-130	%Rec	1	5/27/2020 12:02:41 PM			
Surr:	Toluene-d8	99.4	70-130	%Rec	1	5/27/2020 12:02:41 PM			
EPA MET	THOD 8015D MOD: GASOLI	NE RANGE				Analyst: RAA			
Gasoline	Range Organics (GRO)	ND	4.6	mg/Kg	1	5/27/2020 12:02:41 PM			
Surr: I	BFB	106	70-130	%Rec	1	5/27/2020 12:02:41 PM			

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report Lab Order 2005A41

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/2/2020 Client Sample ID: BS20-02 0' Collection Date: 5/22/2020 8:45:00 AM

			-		
Project: Todd 14 Battery		Collec	tion Date:	5/22/2	2020 8:45:00 AM
Lab ID: 2005A41-002	Matrix: SOIL	Rece	ived Date:	5/23/2	2020 8:00:00 AM
Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst: CLP
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	5/27/2020 8:18:24 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	5/27/2020 8:18:24 PM
Surr: DNOP	96.9	55.1-146	%Rec	1	5/27/2020 8:18:24 PM
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	ND	60	mg/Kg	20	6/1/2020 9:19:21 AM
EPA METHOD 8260B: VOLATILES SH	ORT LIST				Analyst: RAA
Benzene	ND	0.024	mg/Kg	1	5/27/2020 1:31:33 PM
Toluene	ND	0.048	mg/Kg	1	5/27/2020 1:31:33 PM
Ethylbenzene	ND	0.048	mg/Kg	1	5/27/2020 1:31:33 PM
Xylenes, Total	ND	0.095	mg/Kg	1	5/27/2020 1:31:33 PM
Surr: 1,2-Dichloroethane-d4	94.8	70-130	%Rec	1	5/27/2020 1:31:33 PM
Surr: 4-Bromofluorobenzene	95.0	70-130	%Rec	1	5/27/2020 1:31:33 PM
Surr: Dibromofluoromethane	97.1	70-130	%Rec	1	5/27/2020 1:31:33 PM
Surr: Toluene-d8	100	70-130	%Rec	1	5/27/2020 1:31:33 PM
EPA METHOD 8015D MOD: GASOLIN	E RANGE				Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/27/2020 1:31:33 PM
Surr: BFB	107	70-130	%Rec	1	5/27/2020 1:31:33 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D
- Sample Diluted Due to Matrix н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL
 - Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Project: Todd 14 Battery

Analytical Report Lab Order 2005A41

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/2/2020

Client Sample ID: BS20-03 0' Collection Date: 5/22/2020 8:50:00 AM Received Date: 5/23/2020 8:00:00 AM

Lab ID: 2005A41-003	Matrix: SOIL	Received Date: 5/23/2020 8:00:00 AM						
Analyses	Result	RL Qu	al Units	DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst: CLP			
Diesel Range Organics (DRO)	14	8.6	mg/Kg	1	5/28/2020 1:26:37 PM			
Motor Oil Range Organics (MRO)	51	43	mg/Kg	1	5/28/2020 1:26:37 PM			
Surr: DNOP	96.4	55.1-146	%Rec	1	5/28/2020 1:26:37 PM			
EPA METHOD 300.0: ANIONS					Analyst: MRA			
Chloride	1900	60	mg/Kg	20	6/1/2020 9:31:46 AM			
EPA METHOD 8260B: VOLATILES S	HORT LIST				Analyst: RAA			
Benzene	ND	0.023	mg/Kg	1	5/27/2020 2:59:47 PM			
Toluene	ND	0.046	mg/Kg	1	5/27/2020 2:59:47 PM			
Ethylbenzene	ND	0.046	mg/Kg	1	5/27/2020 2:59:47 PM			
Xylenes, Total	ND	0.092	mg/Kg	1	5/27/2020 2:59:47 PM			
Surr: 1,2-Dichloroethane-d4	97.7	70-130	%Rec	1	5/27/2020 2:59:47 PM			
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	5/27/2020 2:59:47 PM			
Surr: Dibromofluoromethane	98.3	70-130	%Rec	1	5/27/2020 2:59:47 PM			
Surr: Toluene-d8	103	70-130	%Rec	1	5/27/2020 2:59:47 PM			
EPA METHOD 8015D MOD: GASOLII	NE RANGE				Analyst: RAA			
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	5/27/2020 2:59:47 PM			
Surr: BFB	109	70-130	%Rec	1	5/27/2020 2:59:47 PM			

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Analytical Report Lab Order 2005A41

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/2/2020 Client Sample ID: BS20-04 0'

			I. I.						
Project: Todd 14 Battery	Collection Date: 5/22/2020 8:55:00 AM								
Lab ID: 2005A41-004	Matrix: SOIL	Recei	ived Date:	5/23/2	2020 8:00:00 AM				
Analyses	Result	RL Qua	al Units	DF	Date Analyzed				
EPA METHOD 8015M/D: DIESEL RANGE C	RGANICS				Analyst: CLP				
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	5/27/2020 9:32:22 PM				
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	5/27/2020 9:32:22 PM				
Surr: DNOP	94.5	55.1-146	%Rec	1	5/27/2020 9:32:22 PM				
EPA METHOD 300.0: ANIONS					Analyst: MRA				
Chloride	3300	150	mg/Kg	50	6/1/2020 7:15:00 PM				
EPA METHOD 8260B: VOLATILES SHORT	LIST				Analyst: RAA				
Benzene	ND	0.023	mg/Kg	1	5/27/2020 3:29:08 PM				
Toluene	ND	0.046	mg/Kg	1	5/27/2020 3:29:08 PM				
Ethylbenzene	ND	0.046	mg/Kg	1	5/27/2020 3:29:08 PM				
Xylenes, Total	ND	0.093	mg/Kg	1	5/27/2020 3:29:08 PM				
Surr: 1,2-Dichloroethane-d4	95.7	70-130	%Rec	1	5/27/2020 3:29:08 PM				
Surr: 4-Bromofluorobenzene	98.0	70-130	%Rec	1	5/27/2020 3:29:08 PM				
Surr: Dibromofluoromethane	97.7	70-130	%Rec	1	5/27/2020 3:29:08 PM				
Surr: Toluene-d8	102	70-130	%Rec	1	5/27/2020 3:29:08 PM				
EPA METHOD 8015D MOD: GASOLINE RA	NGE				Analyst: RAA				
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	5/27/2020 3:29:08 PM				
Surr: BFB	107	70-130	%Rec	1	5/27/2020 3:29:08 PM				

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D
- Sample Diluted Due to Matrix н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Analytical Report Lab Order 2005A41

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/2/2020 Client Sample ID: BS20-05 0'

CLIENT:	Devon Energy	Client Sample ID: BS20-05 0'								
Project:	Todd 14 Battery		Collec	tion Date:	5/22/2	020 9:00:00 AM				
Lab ID:	2005A41-005	Matrix: SOIL	020 8:00:00 AM							
Analyses		Result	RL Qua	al Units	DF	Date Analyzed				
EPA ME	THOD 8015M/D: DIESEL RAM	IGE ORGANICS				Analyst: CLP				
Diesel R	ange Organics (DRO)	ND	8.7	mg/Kg	1	5/27/2020 9:56:55 PM				
Motor O	il Range Organics (MRO)	ND	43	mg/Kg	1	5/27/2020 9:56:55 PM				
Surr:	DNOP	87.2	55.1-146	%Rec	1	5/27/2020 9:56:55 PM				
EPA ME	THOD 300.0: ANIONS					Analyst: MRA				
Chloride		99	60	mg/Kg	20	6/1/2020 9:56:35 AM				
EPA ME	THOD 8260B: VOLATILES SI	HORT LIST				Analyst: RAA				
Benzene	9	ND	0.024	mg/Kg	1	5/27/2020 3:58:37 PM				
Toluene		ND	0.048	mg/Kg	1	5/27/2020 3:58:37 PM				
Ethylber	izene	ND	0.048	mg/Kg	1	5/27/2020 3:58:37 PM				
Xylenes,	, Total	ND	0.096	mg/Kg	1	5/27/2020 3:58:37 PM				
Surr:	1,2-Dichloroethane-d4	103	70-130	%Rec	1	5/27/2020 3:58:37 PM				
Surr:	4-Bromofluorobenzene	92.8	70-130	%Rec	1	5/27/2020 3:58:37 PM				
Surr:	Dibromofluoromethane	99.3	70-130	%Rec	1	5/27/2020 3:58:37 PM				
Surr:	Toluene-d8	99.4	70-130	%Rec	1	5/27/2020 3:58:37 PM				
EPA ME	THOD 8015D MOD: GASOLIN	IE RANGE				Analyst: RAA				
Gasoline	e Range Organics (GRO)	ND	4.8	mg/Kg	1	5/27/2020 3:58:37 PM				

101

70-130

%Rec

1

5/27/2020 3:58:37 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

Surr: BFB

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Analytical Report Lab Order 2005A41

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/2/2020 Client Sample ID: BS20-06 0' Collection Date: 5/22/2020 9:05:00 AM

Project:	Todd 14 Battery		Collec	ction Date:	5/22/2	020 9:05:00 AM				
Lab ID:	2005A41-006	Matrix: SOIL	Received Date: 5/23/2020 8:00:00 AM							
Analyses		Result	RL Qu	al Units	DF	Date Analyzed				
EPA MET	HOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst: CLP				
Diesel R	ange Organics (DRO)	ND	9.1	mg/Kg	1	5/27/2020 10:21:30 PM				
Motor Oi	I Range Organics (MRO)	ND	45	mg/Kg	1	5/27/2020 10:21:30 PM				
Surr: I	ONOP	92.6	55.1-146	%Rec	1	5/27/2020 10:21:30 PM				
EPA MET	HOD 300.0: ANIONS					Analyst: MRA				
Chloride		100	60	mg/Kg	20	6/1/2020 10:09:00 AM				
EPA MET	HOD 8260B: VOLATILES S	HORT LIST				Analyst: RAA				
Benzene	9	ND	0.024	mg/Kg	1	5/27/2020 4:28:05 PM				
Toluene		ND	0.049	mg/Kg	1	5/27/2020 4:28:05 PM				
Ethylben	zene	ND	0.049	mg/Kg	1	5/27/2020 4:28:05 PM				
Xylenes,	Total	ND	0.097	mg/Kg	1	5/27/2020 4:28:05 PM				
Surr: 2	1,2-Dichloroethane-d4	91.3	70-130	%Rec	1	5/27/2020 4:28:05 PM				
Surr: 4	4-Bromofluorobenzene	96.5	70-130	%Rec	1	5/27/2020 4:28:05 PM				
Surr: I	Dibromofluoromethane	93.8	70-130	%Rec	1	5/27/2020 4:28:05 PM				
Surr: ⁻	Toluene-d8	100	70-130	%Rec	1	5/27/2020 4:28:05 PM				
EPA MET	HOD 8015D MOD: GASOLI	NE RANGE				Analyst: RAA				
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	5/27/2020 4:28:05 PM				
Surr: I	BFB	105	70-130	%Rec	1	5/27/2020 4:28:05 PM				

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Project:

Lab ID:

Todd 14 Battery

2005A41-007

Analytical Report Lab Order 2005A41

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/2/2020

Client Sample ID: BS20-07 0' Collection Date: 5/22/2020 8:20:00 AM Received Date: 5/23/2020 8:00:00 AM

	Julia: 5012							
Analyses	Result	RL	Qual Units	DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: BRM			
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	5/30/2020 9:13:15 AM			
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	5/30/2020 9:13:15 AM			
Surr: DNOP	110	55.1-146	%Rec	1	5/30/2020 9:13:15 AM			
EPA METHOD 300.0: ANIONS					Analyst: MRA			
Chloride	ND	60	mg/Kg	20	6/1/2020 10:21:24 AM			
EPA METHOD 8260B: VOLATILES SHORT	LIST				Analyst: RAA			
Benzene	ND	0.023	mg/Kg	1	5/27/2020 4:57:35 PM			
Toluene	ND	0.047	mg/Kg	1	5/27/2020 4:57:35 PM			
Ethylbenzene	ND	0.047	mg/Kg	1	5/27/2020 4:57:35 PM			
Xylenes, Total	ND	0.093	mg/Kg	1	5/27/2020 4:57:35 PM			
Surr: 1,2-Dichloroethane-d4	99.5	70-130	%Rec	1	5/27/2020 4:57:35 PM			
Surr: 4-Bromofluorobenzene	95.5	70-130	%Rec	1	5/27/2020 4:57:35 PM			
Surr: Dibromofluoromethane	99.6	70-130	%Rec	1	5/27/2020 4:57:35 PM			
Surr: Toluene-d8	97.8	70-130	%Rec	1	5/27/2020 4:57:35 PM			
EPA METHOD 8015D MOD: GASOLINE RAI	NGE				Analyst: RAA			
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	5/27/2020 4:57:35 PM			
Surr: BFB	100	70-130	%Rec	1	5/27/2020 4:57:35 PM			

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Project: Todd 14 Battery

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order **2005A41** Date Reported: **6/2/2020**

Client Sample ID: BS20-08 0' Collection Date: 5/22/2020 8:30:00 AM Received Date: 5/23/2020 8:00:00 AM

Lab ID: 2005A41-008	Matrix: SOIL	Rece	Received Date: 5/23/2020 8:00:00 AM							
Analyses	Result	RL Qu	al Units	DF	Date Analyzed					
EPA METHOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst: BRM					
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	5/29/2020 11:18:16 AM					
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	5/29/2020 11:18:16 AM					
Surr: DNOP	88.9	55.1-146	%Rec	1	5/29/2020 11:18:16 AM					
EPA METHOD 300.0: ANIONS					Analyst: MRA					
Chloride	280	60	mg/Kg	20	6/1/2020 12:37:54 PM					
EPA METHOD 8260B: VOLATILES S	HORT LIST				Analyst: RAA					
Benzene	ND	0.023	mg/Kg	1	5/27/2020 5:27:03 PM					
Toluene	ND	0.047	mg/Kg	1	5/27/2020 5:27:03 PM					
Ethylbenzene	ND	0.047	mg/Kg	1	5/27/2020 5:27:03 PM					
Xylenes, Total	ND	0.094	mg/Kg	1	5/27/2020 5:27:03 PM					
Surr: 1,2-Dichloroethane-d4	95.2	70-130	%Rec	1	5/27/2020 5:27:03 PM					
Surr: 4-Bromofluorobenzene	97.0	70-130	%Rec	1	5/27/2020 5:27:03 PM					
Surr: Dibromofluoromethane	100	70-130	%Rec	1	5/27/2020 5:27:03 PM					
Surr: Toluene-d8	104	70-130	%Rec	1	5/27/2020 5:27:03 PM					
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analyst: RAA					
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	5/27/2020 5:27:03 PM					
Surr: BFB	108	70-130	%Rec	1	5/27/2020 5:27:03 PM					

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Todd 14 Battery

2005A41-009

Project:

Lab ID:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2005A41 Date Reported: 6/2/2020

Client Sample ID: BS20-09 0'

Collection Date: 5/22/2020 9:10:00 AM Received Date: 5/23/2020 8:00:00 AM

Analyses	Result	RL Qua	d Units	DF	Date Analyzed				
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: BRM				
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	5/29/2020 11:42:28 AM				
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	5/29/2020 11:42:28 AM				
Surr: DNOP	56.6	55.1-146	%Rec	1	5/29/2020 11:42:28 AM				
EPA METHOD 300.0: ANIONS					Analyst: MRA				
Chloride	420	60	mg/Kg	20	6/1/2020 12:50:18 PM				
EPA METHOD 8260B: VOLATILES SHORT L	IST				Analyst: RAA				
Benzene	ND	0.023	mg/Kg	1	5/27/2020 5:56:27 PM				
Toluene	ND	0.047	mg/Kg	1	5/27/2020 5:56:27 PM				
Ethylbenzene	ND	0.047	mg/Kg	1	5/27/2020 5:56:27 PM				
Xylenes, Total	ND	0.094	mg/Kg	1	5/27/2020 5:56:27 PM				
Surr: 1,2-Dichloroethane-d4	97.4	70-130	%Rec	1	5/27/2020 5:56:27 PM				
Surr: 4-Bromofluorobenzene	92.0	70-130	%Rec	1	5/27/2020 5:56:27 PM				
Surr: Dibromofluoromethane	102	70-130	%Rec	1	5/27/2020 5:56:27 PM				
Surr: Toluene-d8	100	70-130	%Rec	1	5/27/2020 5:56:27 PM				
EPA METHOD 8015D MOD: GASOLINE RAN	IGE				Analyst: RAA				
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	5/27/2020 5:56:27 PM				
Surr: BFB	99.8	70-130	%Rec	1	5/27/2020 5:56:27 PM				

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Client:	Devon	Energy	
Project:	Todd 14	4 Battery	
Sample ID:	MB-52775	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID:	PBS	Batch ID: 52775	RunNo: 69282
Prep Date:	5/29/2020	Analysis Date: 5/30/2020	0 SeqNo: 2401885 Units: mg/Kg
Analyte		Result PQL SPK v	value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		ND 1.5	
Sample ID:	LCS-52775	SampType: Ics	TestCode: EPA Method 300.0: Anions
Client ID:	LCSS	Batch ID: 52775	RunNo: 69282
Prep Date:	5/29/2020	Analysis Date: 5/30/2020	0 SeqNo: 2401886 Units: mg/Kg
Analyte		Result PQL SPK v	value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		14 1.5 1	15.00 0 93.4 90 110
Sample ID:	MB-52800	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID:	PBS	Batch ID: 52800	RunNo: 69292
Prep Date:	6/1/2020	Analysis Date: 6/1/2020	SeqNo: 2403563 Units: mg/Kg
Analyte		Result PQL SPK v	value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		ND 1.5	
Sample ID:	LCS-52800	SampType: Ics	TestCode: EPA Method 300.0: Anions
Client ID:	LCSS	Batch ID: 52800	RunNo: 69292
Prep Date:	6/1/2020	Analysis Date: 6/1/2020	SeqNo: 2403565 Units: mg/Kg
Analyte		Result PQL SPK v	value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		14 1.5 1	15.00 0 93.6 90 110

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2005A41

02-Jun-20

Client: Devon Ene	rgy		
Project: Todd 14 Ba	attery		
Sample ID: MB-52681	SampType: MBLK		8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 52681	RunNo: 69134	
Prep Date: 5/26/2020 A	Analysis Date: 5/27/2020	SeqNo: 2397783	Units: mg/Kg
Analyte		K Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)	ND 10 ND 50		
Surr: DNOP	10 10.00	102 55.1	146
Sample ID: LCS-52681	SampType: LCS		8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 52681	RunNo: 69134	
Prep Date: 5/26/2020	Analysis Date: 5/27/2020	SeqNo: 2397784	Units: mg/Kg
Analyte	Result PQL SPK value SPF		HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	53 10 50.00	0 107 70	130
Surr: DNOP	5.1 5.000	102 55.1	146
Sample ID: MB-52679	SampType: MBLK	TestCode: EPA Method 8	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 52679	RunNo: 69206	
Prep Date: 5/26/2020 A	Analysis Date: 5/28/2020	SeqNo: 2398752	Units: %Rec
Analyte	Result PQL SPK value SPF	K Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP	8.8 10.00	88.5 55.1	146
Sample ID: LCS-52679	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 52679	RunNo: 69206	
Prep Date: 5/26/2020	Analysis Date: 5/28/2020	SeqNo: 2398753	Units: %Rec
Analyte	Result PQL SPK value SPF	K Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP	4.0 5.000	80.9 55.1	146
Sample ID: LCS-52738	SampType: LCS	TestCode: EPA Method 8	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 52738	RunNo: 69198	
Prep Date: 5/28/2020	Analysis Date: 5/29/2020	SeqNo: 2399901	Units: mg/Kg
Analyte	Result PQL SPK value SPF	K Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	57 10 50.00	0 114 70	130
Surr: DNOP	4.6 5.000	92.5 55.1	146
Sample ID: MB-52738	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 52738	RunNo: 69198	
Prep Date: 5/28/2020	Analysis Date: 5/29/2020	SeqNo: 2399902	Units: mg/Kg
Analyte	Result PQL SPK value SPF	K Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
	Result PQL SPK value SPk		

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range

J Analyte detected below quantitation limits

Р

RL Reporting Limit

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2005A41

02-Jun-20

WO#:

Sample pH Not In Range

Client:	Devon Er	nergy									
Project:	Todd 14 I	Battery									
Sample ID:	MB-52738	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	PBS	Batch	n ID: 52	738	R	RunNo: 6	9198				
Prep Date:	5/28/2020	Analysis D	Date: 5/	29/2020	S	SeqNo: 2	399902	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Motor Oil Rang	e Organics (MRO)	ND	50								
Surr: DNOP		10		10.00		101	55.1	146			
Sample ID:	2005A41-007AMS	SampT	уре: М	6	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID:	BS20-07 0'	Batch	n ID: 52	738	R	RunNo: 6	9267				
Prep Date:	5/28/2020	Analysis D	Date: 5/	30/2020	S	SeqNo: 2	400746	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	45	8.4	42.02	6.367	92.9	47.4	136			
Surr: DNOP		3.7		4.202		87.5	55.1	146			
Sample ID:	2005A41-007AMSI	D SampT	уре: М	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	BS20-07 0'	Batch	n ID: 52	738	R	RunNo: 6	9267				
Prep Date:	5/28/2020	Analysis D	Date: 5/	30/2020	S	SeqNo: 2	400747	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	48	8.5	42.74	6.367	96.8	47.4	136	5.00	43.4	
Surr: DNOP		3.9		4.274		91.4	55.1	146	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2005A41

02-Jun-20

Devon Energy

Todd 14 Battery

Client:

Project:

Client ID:

Sample ID: LCS-52674

BatchQC

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

SampType: LCS4

Batch ID: 52674

Bato			•	(ann to: 0					
Analysis D	0ate: 5/	27/2020	5	SeqNo: 2	397013	Units: mg/K	g		
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
0.90	0.025	1.000	0	89.8	80	120			
1.0	0.050	1.000	0	99.7	80	120			
1.0	0.050	1.000	0	104	80	120			
3.1	0.10	3.000	0	103	80	120			
0.46		0.5000		91.7	70	130			
0.48		0.5000		96.1	70	130			
0.46		0.5000		92.5	70	130			
0.49		0.5000		97.5	70	130			
SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List	
Batcl	n ID: 52	674	F	RunNo: 6	9165				
Analysis D	0ate: 5/	27/2020	S	SeqNo: 2	397014	Units: mg/K	g		
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
ND	0.025								
ND	0.050								
ND	0.050								
ND	0.10								
0.46		0.5000		92.5	70	130			
0.49		0.5000		97.0	70	130			
0.48		0.5000		96.8	70	130			
0.48		0.5000		96.1	70	130			
SampT	уре: МS	54	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List	
Batcl	n ID: 52	674	F	RunNo: 6 9	9165				
Analysis E	Date: 5/	27/2020	S	SeqNo: 2	398124	Units: mg/K	g		
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
0.98	0.024	0.9588	0	102	71.1	115			
1.1	0.048	0.9588	0	115	79.6	132			
1.1	0.048	0.9588	0	114	83.8	134			
3.3	0.096	2.876	0	115	82.4	132			
0.46		0.4794		96.4	70	130			
0.47		0.4794		98.7	70	130			
0.47		0.4794		98.6	70	130			
0.46		0.4794		97.0	70	130			
	Result 0.90 1.0 1.0 3.1 0.46 0.48 0.46 0.49 SampT Batcl Analysis D Result ND ND 0.46 0.49 0.46 0.49 0.48 0.48 0.48 0.48 0.48 0.48 0.48 0.48 0.48 0.48 0.48 0.48 0.48 0.48 0.48 0.48 0.48 0.98 1.1 3.3 0.46 0.47	Result PQL 0.90 0.025 1.0 0.050 1.0 0.050 3.1 0.10 0.46 0.48 0.46 0.49 SampType: ME Batch D: 524 Analysis Date: 5/ Result PQL ND 0.025 ND 0.050 ND 0.46 0.48 0.48 0.48 0.024 1.1 0.048 3.3 0.096 0.46 0.47	0.90 0.025 1.000 1.0 0.050 1.000 1.0 0.050 1.000 3.1 0.10 3.000 0.46 0.5000 0.48 0.5000 0.49 0.5000 0.49 0.5000 0.49 0.5000 0.49 V Analysis Date: 5/27/2020 Result PQL SPK value ND 0.050 V ND 0.050 V ND 0.050 V ND 0.050 V ND 0.10 V 0.46 0.5000 0.48 0.46 0.5000 0.48 0.46 0.5000 0.48 0.46 0.5000 0.48 0.48 0.5000 0.48 0.48 0.5000 0.48 0.48 0.5000 0.48 0.48 0.5000 0.48 0.48	Result PQL SPK value SPK Ref Val 0.90 0.025 1.000 0 1.0 0.050 1.000 0 1.0 0.050 1.000 0 1.0 0.050 1.000 0 3.1 0.10 3.000 0 0.46 0.5000 0 0 0.48 0.5000 0 0 0.48 0.5000 0 0 0.49 0.5000 0 0 0.49 527/2020 5 Result PQL SPK value SPK Ref Val ND 0.025 ND 0 ND 0.050 V 1 0.46 0.5000 0 1 0.48 0.5000 1 1 0.48 0.5000 1 1 0.48 0.5000 1 1 0.48 0.5000 1 1 0.48 0.5000 <t< td=""><td>Result PQL SPK value SPK Ref Val $\frac{3}{2}$REC 0.90 0.025 1.000 0 89.8 1.0 0.050 1.000 0 99.7 1.0 0.050 1.000 0 104 3.1 0.10 3.000 0 103 0.46 0.5000 91.7 0.48 0.5000 92.5 0.49 0.5000 92.5 0.49 0.5000 92.5 0.49 0.5000 92.5 Analysis SPK value SPK Ref Val $\frac{3}{2}$Result PQL SPK value SPK Ref Val $\frac{3}{2}$Result ND 0.050 V V ND 0.050 92.5 $\frac{3}{2}$Result 90.5000 92.5 ND 0.050 V 92.5 $\frac{3}{2}$Result 92.5 ND 0.10 0.5000 92.5 $\frac{3}{2}$Result 0.5000 92.5 0.43 0.5000 96.8</td><td>ResultPQLSPK valueSPK Ref Val%RECLowLimit0.900.0251.000089.8801.00.0501.000099.7801.00.0501.0000104803.10.103.0000103800.460.500091.7700.480.500091.7700.490.500092.5700.490.500092.5700.490.500092.570Analysis Date:5/7/2020SerN: 5/70Analysis Date:5/7/2020SerN: 5/70ND0.025SerN: 5/70ND0.050SerN: 5/70ND0.050SerN: 5/70ND0.050SerN: 5/70ND0.05092.5ND0.05092.5ND0.05092.5ND0.500092.5ND0.500092.5ND0.500092.5ND0.500092.5ND0.500092.5ND0.500092.5ND0.500092.5ND0.500092.5ND0.500092.5ND0.500092.5ND0.500092.5ND0.500092.5ND0.500093.6ND0.500094.7ND0.500094.7ND0.500094.7ND0.5000<</td><td>Result PQL SPK value SPK Ref Val %REC LowLinit HighLinit 0.90 0.025 1.000 0 89.8 80 120 1.0 0.050 1.000 0 99.7 80 120 1.0 0.050 1.000 0 104 80 120 3.1 0.10 3.000 0.013 800 120 0.46 0.5000 91.7 70 130 0.48 0.5000 96.1 70 130 0.48 0.5000 91.7 70 130 0.48 0.5000 97.5 70 130 0.46 D.5000 97.5 701 130 Result PQL SPK value SPK Ref Val %REC LowLinit HighLinit ND 0.050 V SP V Value 130 0.46 0.5000 92.5 70 130 0.48 0.5000 <tg< td=""><td>Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD 0.90 0.025 1.000 0 89.8 80 120 1.0 0.050 1.000 0 99.7 80 120 1.0 0.050 1.000 0 104 80 120 3.1 0.10 3.000 0 103 80 120 0.46 0.5000 91.7 70 130 100 0.46 0.5000 91.7 70 130 100 0.46 0.5000 92.5 70 130 100 0.46 0.5000 92.5 70 130 100 SampType: BLK SEK Ref Val %REC LowLimit HighLimit %RPD ND 0.050 FK value SPK Ref Val %REC LowLimit HighLimit %RPD ND 0.050 Serprox 2397014 Units: mg/Kg MRD</td><td>Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit 0.90 0.025 1.000 0 89.8 80 120 . 1.0 0.050 1.000 0 99.7 80 120 . . . 1.0 0.050 1.000 0 104 80 120 . . . 0.46 0.5000 91.7 70 130 .</td></tg<></td></t<>	Result PQL SPK value SPK Ref Val $\frac{3}{2}$ REC 0.90 0.025 1.000 0 89.8 1.0 0.050 1.000 0 99.7 1.0 0.050 1.000 0 104 3.1 0.10 3.000 0 103 0.46 0.5000 91.7 0.48 0.5000 92.5 0.49 0.5000 92.5 0.49 0.5000 92.5 0.49 0.5000 92.5 Analysis SPK value SPK Ref Val $\frac{3}{2}$ Result PQL SPK value SPK Ref Val $\frac{3}{2}$ Result ND 0.050 V V ND 0.050 92.5 $\frac{3}{2}$ Result 90.5000 92.5 ND 0.050 V 92.5 $\frac{3}{2}$ Result 92.5 ND 0.10 0.5000 92.5 $\frac{3}{2}$ Result 0.5000 92.5 0.43 0.5000 96.8	ResultPQLSPK valueSPK Ref Val%RECLowLimit0.900.0251.000089.8801.00.0501.000099.7801.00.0501.0000104803.10.103.0000103800.460.500091.7700.480.500091.7700.490.500092.5700.490.500092.5700.490.500092.570Analysis Date: 5 /7/2020SerN: 5 /70Analysis Date: 5 /7/2020SerN: 5 /70ND0.025SerN: 5 /70ND0.050SerN: 5 /70ND0.050SerN: 5 /70ND0.050SerN: 5 /70ND0.05092.5ND0.05092.5ND0.05092.5ND0.500092.5ND0.500092.5ND0.500092.5ND0.500092.5ND0.500092.5ND0.500092.5ND0.500092.5ND0.500092.5ND0.500092.5ND0.500092.5ND0.500092.5ND0.500092.5ND0.500093.6ND0.500094.7ND0.500094.7ND0.500094.7ND0.5000<	Result PQL SPK value SPK Ref Val %REC LowLinit HighLinit 0.90 0.025 1.000 0 89.8 80 120 1.0 0.050 1.000 0 99.7 80 120 1.0 0.050 1.000 0 104 80 120 3.1 0.10 3.000 0.013 800 120 0.46 0.5000 91.7 70 130 0.48 0.5000 96.1 70 130 0.48 0.5000 91.7 70 130 0.48 0.5000 97.5 70 130 0.46 D.5000 97.5 701 130 Result PQL SPK value SPK Ref Val %REC LowLinit HighLinit ND 0.050 V SP V Value 130 0.46 0.5000 92.5 70 130 0.48 0.5000 <tg< td=""><td>Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD 0.90 0.025 1.000 0 89.8 80 120 1.0 0.050 1.000 0 99.7 80 120 1.0 0.050 1.000 0 104 80 120 3.1 0.10 3.000 0 103 80 120 0.46 0.5000 91.7 70 130 100 0.46 0.5000 91.7 70 130 100 0.46 0.5000 92.5 70 130 100 0.46 0.5000 92.5 70 130 100 SampType: BLK SEK Ref Val %REC LowLimit HighLimit %RPD ND 0.050 FK value SPK Ref Val %REC LowLimit HighLimit %RPD ND 0.050 Serprox 2397014 Units: mg/Kg MRD</td><td>Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit 0.90 0.025 1.000 0 89.8 80 120 . 1.0 0.050 1.000 0 99.7 80 120 . . . 1.0 0.050 1.000 0 104 80 120 . . . 0.46 0.5000 91.7 70 130 .</td></tg<>	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD 0.90 0.025 1.000 0 89.8 80 120 1.0 0.050 1.000 0 99.7 80 120 1.0 0.050 1.000 0 104 80 120 3.1 0.10 3.000 0 103 80 120 0.46 0.5000 91.7 70 130 100 0.46 0.5000 91.7 70 130 100 0.46 0.5000 92.5 70 130 100 0.46 0.5000 92.5 70 130 100 SampType: BLK SEK Ref Val %REC LowLimit HighLimit %RPD ND 0.050 FK value SPK Ref Val %REC LowLimit HighLimit %RPD ND 0.050 Serprox 2397014 Units: mg/Kg MRD	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit 0.90 0.025 1.000 0 89.8 80 120 . 1.0 0.050 1.000 0 99.7 80 120 . . . 1.0 0.050 1.000 0 104 80 120 . . . 0.46 0.5000 91.7 70 130 .

TestCode: EPA Method 8260B: Volatiles Short List

RunNo: 69165

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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WO#: 2005A41

02-Jun-20

Client:Devon EnergyProject:Todd 14 Battery

Sample ID: 2005a41-001ams		Type: MS								
Client ID: BS20-01 0'	Batc	h ID: 520	074	F	RunNo: 6 9	0100				
Prep Date: 5/25/2020	Analysis D	Date: 5/	27/2020	e e	SeqNo: 2	398126	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	0.9881	0	93.7	71.1	115	5.63	0	
Toluene	1.0	0.049	0.9881	0	102	79.6	132	8.99	0	
Ethylbenzene	1.1	0.049	0.9881	0	110	83.8	134	0.646	0	
Xylenes, Total	3.2	0.099	2.964	0	107	82.4	132	4.70	0	
Surr: 1,2-Dichloroethane-d4	0.45		0.4941		92.0	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.48		0.4941		97.2	70	130	0	0	
Surr: Dibromofluoromethane	0.45		0.4941		91.4	70	130	0	0	
Surr: Toluene-d8	0.48		0.4941		96.8	70	130	0	0	

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 14 of 15

WO#: 2005A41

02-Jun-20

2005A41	WO#:
02-Jun-20	

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Client: Project:	Devon Er Todd 14 I										
Sample ID:	lcs-52674	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	LCSS	Batch	ID: 52	674	R	anNo: 6	9165				
Prep Date:	5/25/2020	Analysis D	ate: 5/	27/2020	S	SeqNo: 2	397020	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
,	e Organics (GRO)	24	5.0	25.00	0	94.3	70	130			
Surr: BFB	J	550		500.0		110	70	130			
Sample ID:	mb-52674	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	PBS	Batch	ID: 52	674	R	RunNo: 69	9165			-	
Prep Date:	5/25/2020	Analysis D	ate: 5/	27/2020	S	SeqNo: 2	397021	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	ND	5.0								
Surr: BFB		550		500.0		109	70	130			
Sample ID:	2005a41-002ams	SampT	ype: MS	6	Tes	tCode: EF	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	BS20-02 0'	Batch	ID: 52	674	R	RunNo: 69	9165				
Prep Date:	5/25/2020	Analysis D	ate: 5/	27/2020	S	SeqNo: 2	398193	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	23	4.6	22.91	0	98.6	70	130			
Surr: BFB		490		458.3		107	70	130			
Sample ID:	2005a41-002amsd	SampT	ype: MS	SD	Tes	tCode: EF	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	BS20-02 0'	Batch	ID: 52	674	R	RunNo: 69	9165				
Prep Date:	5/25/2020	Analysis D	ate: 5/	27/2020	S	SeqNo: 2	398195	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	21	4.6	23.15	0	89.4	70	130	8.69	20	
Surr: BFB		490		463.0		105	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

ANALYSIS	ENVIRONMENTAL		490 Ibuquero 75 FAX:	vsis Labor 01 Hawkir que, NM 8 505-345- ronmenta	ns NE 87109 S -4107	Sample Log-In Check List					
Client Name: DEVO	N ENERGY	Work Order Numb	er: 200	5A41			RcptNo: 1				
Received By: Juan	Rojas	5/23/2020 8:00:00 A	M		Guarre	39					
	Rojas	5/23/2020 8:38:10 A			Guare	3 m					
	-/23/20	0/20/2020 0.00, TO P			2	Ð					
Chain of Custody											
1. Is Chain of Custody of	complete?		Yes	V	No		Not Present				
2. How was the sample	delivered?		Cou	irier							
<u>Log In</u>											
3. Was an attempt made	e to cool the samples?		Yes	~	No		NA 🗌				
4. Were all samples rece	eived at a temperature	of >0° C to 6.0°C	Yes	~	No						
5. Sample(s) in proper c	container(s)?		Yes	~	No						
6. Sufficient sample volu	ime for indicated test(s)?	Yes	~	No						
7. Are samples (except \	VOA and ONG) proper	y preserved?	Yes		No [7					
8. Was preservative add	ed to bottles?		Yes		No B	~	NA 🗌				
9. Received at least 1 via	al with headspace <1/4	" for AQ VOA?	Yes		No [NA 🗹				
10. Were any sample con	ntainers received broke	n?	Yes		No	~	# of preserved	/			
11. Does paperwork matc (Note discrepancies of			Yes		No [-	bottles checked for pH:	unless noted)			
2. Are matrices correctly	identified on Chain of	Custody?	Yes	V	No [Adjusted?				
3. Is it clear what analyse	es were requested?		Yes	~	No	3	1 .0	- I - I -			
 Were all holding times (If no, notify customer 			Yes	~	No [2	Checked by: JY	- 223/20			
Special Handling (if	applicable)										
15. Was client notified of	all discrepancies with	this order?	Yes		No		NA 🗹				
Person Notified	:	Date				-					
By Whom:	1	Via:	🗌 eM	ail 🔲 F	hone	Fax	In Person				
Regarding:											
Client Instruction	ns:										
16. Additional remarks:											
17. Cooler Information											
Cooler No Temp	p °C Condition Se	eal Intact Seal No	Seal D	ate	Signed By	y					
1 0.8	Good					-					

Page 1 of 1

Received by OCD: 5/30/2024 1.	23.32 FM									Page Port	5985
HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com kins NE - Albuquerque, NM 87109 345-3975 Fax 505-345-4107 Analysis Request		(AOV) 0828 -ime2) 0728 10îilo2 lstoT								· ć ; Watelix	1#1,2033636369
ALY: ALY: hallenv E - Alt 75 75		RCRA 8 Me (ČI) F, Br, N	7,	>/	1	>>	11	. >			
HALL ANAL www.halk 4901 Hawkins NE - Tel. 505-345-3975	10 of 8270SIMS									1 0) racted c
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	BE / TMB's (8021)	10.000 C 20.000 C 20.000	5	1 1	7-	11	77	>	++	Remarks:	
5 Ocyl Battery 11	No broc	HEAL NO. 7005 AUL	100-	-003	1001	-005	- 400-	100-		Date Time F	Time: Relinquished by: Received by: Via: Date Time Received by: Via: Date Time Relinquished by: $OeV \circ -V \circ + OH$, $2033 eSU = 1000 eV \circ -V \circ + OH$, $2033 eSU = 1000 eV \circ -V \circ + OH$.
	iger:	C	100	-				>		Yia:	Via: <i>CUNEE</i> ccredited laboratories
	Project Manager: NcAchie Sampler: MTP On Ice: 1798 0n Ice: 1798	Cooler Temp _(including CF) . Container Preserva Type and # Type	105		_			Ň		Received by:	Received lay:
Huy d	ation)		0	00	07	00	00	0			v be subo
Chain-of-Custody Record Chain Energy Devis (W. Mathews 10 Address: (428 Serven Rivus F tesiz NM 88210 tesiz NM 88210	□ Level 4 (Full Validation) mpliance	0	10	BS20-03	5	15520-05 B520-06	BS20-07	L.		d by:	of by: It is a second manual man
ain-of-Cui Non E Uni / Uni . Idress: (428	e: Level Az Compliance Other		Soil								Relinquished/by
Chain. Chain. Deuls g Address f cs. i.e. f eff:	Tail or Fax#: VQC Package Standard :creditation: NELAC EDD (Type)	Time	01-10 D'46	8:50	9.55	S0.12	8:30	01:6		Time:	Time: 1900 f necessary.
Client: Doulo Client: Doulo D. Davis / Mailing Address: Phone #:	email or Fax#: QA/QC Package: Candard Accreditation: DNELAC		eelg					>		05	Pate: T



June 02, 2020

Amanda Davis Devon Energy 6488 Seven Rivers Highway Artesia, NM 88210 TEL: (505) 350-1336 FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 2005A42

RE: Todd 14 Battery

Dear Amanda Davis:

Hall Environmental Analysis Laboratory received 1 sample(s) on 5/23/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Project: Todd 14 Battery

Analytical Report Lab Order 2005A42

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/2/2020 Client Sample ID: SS20-01 0-0.5 Collection Date: 5/22/2020 8:05:00 AM

Lab ID: 2005A42-001	Matrix: SOIL	Rece	Received Date: 5/23/2020 8:00:00 AM						
Analyses	Result	RL Qu	al Units	DF	Date Analyzed				
EPA METHOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst: BRM				
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	5/29/2020 12:06:26 PM				
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	5/29/2020 12:06:26 PM				
Surr: DNOP	79.5	55.1-146	%Rec	1	5/29/2020 12:06:26 PM				
EPA METHOD 300.0: ANIONS					Analyst: MRA				
Chloride	ND	60	mg/Kg	20	6/1/2020 1:02:42 PM				
EPA METHOD 8260B: VOLATILES S	HORT LIST				Analyst: RAA				
Benzene	ND	0.024	mg/Kg	1	5/27/2020 6:25:49 PM				
Toluene	ND	0.048	mg/Kg	1	5/27/2020 6:25:49 PM				
Ethylbenzene	ND	0.048	mg/Kg	1	5/27/2020 6:25:49 PM				
Xylenes, Total	ND	0.096	mg/Kg	1	5/27/2020 6:25:49 PM				
Surr: 1,2-Dichloroethane-d4	98.4	70-130	%Rec	1	5/27/2020 6:25:49 PM				
Surr: 4-Bromofluorobenzene	96.6	70-130	%Rec	1	5/27/2020 6:25:49 PM				
Surr: Dibromofluoromethane	98.7	70-130	%Rec	1	5/27/2020 6:25:49 PM				
Surr: Toluene-d8	99.9	70-130	%Rec	1	5/27/2020 6:25:49 PM				
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analyst: RAA				
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/27/2020 6:25:49 PM				
Surr: BFB	106	70-130	%Rec	1	5/27/2020 6:25:49 PM				

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

Client: Project:		on Energy 14 Battery									
Sample ID:	MB-52800	SampTy	pe: m k	olk	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	ID: 52	800	F	RunNo: 6 9	9292				
Prep Date:	6/1/2020	Analysis Da	ate: 6/	1/2020	5	SeqNo: 24	403563	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-52800	SampTy	pe: Ics	;	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	ID: 52	800	F	RunNo: 6 9	9292				
Prep Date:	6/1/2020	Analysis Da	ate: 6/	1/2020	S	SeqNo: 24	403565	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	93.6	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2005A42

02-Jun-20

Client: Devon I	Energy									
Project: Todd 14	4 Battery									
Sample ID: LCS-52738	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	h ID: 52	738	R	unNo: 6	9198				
Prep Date: 5/28/2020	Analysis D	Date: 5/	29/2020	S	eqNo: 2	399901	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	10	50.00	0	114	70	130			
Surr: DNOP	4.6		5.000		92.5	55.1	146			
Sample ID: MB-52738	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch	h ID: 52	738	R	unNo: 6	9198				
Prep Date: 5/28/2020	Analysis D	Date: 5/	29/2020	S	eqNo: 2	399902	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		101	55.1	146			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2005A42

02-Jun-20

Devon Energy

Todd 14 Battery

Client:

Project:

Sample ID: LCS-52674

Client ID: BatchQC

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

SampType: LCS4

Batch ID: 52674

Prep Date: 5/25/2020	Analysis E	Date: 5/ 2	27/2020	S	eqNo: 2	397013	Units: mg/K	9		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	89.8	80	120			
Toluene	1.0	0.050	1.000	0	99.7	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.1	0.10	3.000	0	103	80	120			
Surr: 1,2-Dichloroethane-d4	0.46		0.5000		91.7	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		96.1	70	130			
Surr: Dibromofluoromethane	0.46		0.5000		92.5	70	130			
Surr: Toluene-d8	0.49		0.5000		97.5	70	130			
Sample ID: mb-52674	Samp	Гуре: МЕ	a K	Tes	tCode: FI	PA Method	8260B: Volati	les Short	Liet	
Campie 1D. 110-52014	Gampi	ypc. WL		100		Amethou	0200B. Volati	103 011011	LISU	
Client ID: PBS		h ID: 520			lunNo: 6				LIST	
		h ID: 520	674	F		9165	Units: mg/K		List	
Client ID: PBS	Batc	h ID: 520	674 27/2020	F	unNo: 6	9165			RPDLimit	Qual
Client ID: PBS Prep Date: 5/25/2020	Batcl Analysis [h ID: 520 Date: 5/	674 27/2020	F	tunNo: 69	9165 397014	Units: mg/K	9		Qual
Client ID: PBS Prep Date: 5/25/2020 Analyte	Batc Analysis I Result	h ID: 520 Date: 5/ 2 PQL	674 27/2020	F	tunNo: 69	9165 397014	Units: mg/K	9		Qual
Client ID: PBS Prep Date: 5/25/2020 Analyte Benzene	Batch Analysis E Result ND	h ID: 52 Date: 5 /2 PQL 0.025	674 27/2020	F	tunNo: 69	9165 397014	Units: mg/K	9		Qual
Client ID: PBS Prep Date: 5/25/2020 Analyte Benzene Toluene	Batc Analysis E Result ND ND	h ID: 52 Date: 5 / PQL 0.025 0.050	674 27/2020	F	tunNo: 69	9165 397014	Units: mg/K	9		Qual
Client ID: PBS Prep Date: 5/25/2020 Analyte Benzene Toluene Ethylbenzene	Batch Analysis E Result ND ND ND	h ID: 52 0 Date: 5 /2 PQL 0.025 0.050 0.050	674 27/2020	F	tunNo: 69	9165 397014	Units: mg/K	9		Qual
Client ID: PBS Prep Date: 5/25/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Batc Analysis I Result ND ND ND ND	h ID: 52 0 Date: 5 /2 PQL 0.025 0.050 0.050	674 27/2020 SPK value	F	eqNo: 6 8 kunNo: 2 8 kn 8 kn 8 kn 8 kn 8 kn 8 kn 8 kn 8 kn	9165 397014 LowLimit	Units: mg/K HighLimit	9		Qual
Client ID: PBS Prep Date: 5/25/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 1,2-Dichloroethane-d4	Batcl Analysis I Result ND ND ND ND 0.46	h ID: 52 0 Date: 5 /2 PQL 0.025 0.050 0.050	674 27/2020 SPK value 0.5000	F	2000 2000 2000 2000 2000 2000 2000 200	9165 397014 LowLimit	Units: mg/K HighLimit 130	9		Qual

TestCode: EPA Method 8260B: Volatiles Short List

RunNo: 69165

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 5

WO#: 2005A42

02-Jun-20

	Energy 14 Battery									
Sample ID: Ics-52674	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D Mod:	Gasoline	Range	
Client ID: LCSS	Batch	n ID: 52	674	F	RunNo: 69	9165				
Prep Date: 5/25/2020	Analysis D	0ate: 5/	27/2020	S	SeqNo: 2	397020	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.3	70	130			
Surr: BFB	550		500.0		110	70	130			
Sample ID: mb-52674	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D Mod:	Gasoline	Range	
Client ID: PBS	Batch	n ID: 52	674	F	RunNo: 69	9165				
Prep Date: 5/25/2020	Analysis D	0ate: 5/	27/2020	S	SeqNo: 2	397021	Units: mg/k	íg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	550		500.0		109	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

WO#: 2005A42 02-Jun-20

HALL ENVIRONMENTAL ANALYSIS LABORATORY	TEL: 505-345-39	4901 Hawi Albuquerque, NM	kins NE 187109 San 15-4107	nple Log-In Check List
Client Name: DEVON ENERGY	Work Order Numb	per: 2005A42		RcptNo: 1
Received By: Juan Rojas	5/23/2020 8:00:00 /	AM	Guar ang	
Completed By: Juan Rojas	5/23/2020 8:47:27 /	AM	Guarang Guarang	
Reviewed By: 20 05/23/20				
Chain of Custody				
1. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present
2. How was the sample delivered?		Courier		
Log In 3. Was an attempt made to cool the sample	-2	Yes 🔽	No 🗌	NA 🗔
S. Was an allempt made to cool the sample	51	Yes 🗹		
4. Were all samples received at a temperatu	ire of >0° C to 6.0°C	Yes 🔽	No 🗌	
5. Sample(s) in proper container(s)?		Yes 🔽	No 🗌	
6. Sufficient sample volume for indicated tes	t(s)?	Yes 🔽	No 🗌	
7. Are samples (except VOA and ONG) prop	erly preserved?	Yes 🗹	No 🗌	
B. Was preservative added to bottles?		Yes 🗌	No 🗹	NA 🗔
9. Received at least 1 vial with headspace <	1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹
0, Were any sample containers received bro	ken?	Yes 🗆	No 🗹	# of preserved
1. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗔	bottles checked for pH: (<2 gr >12 unless noted)
2. Are matrices correctly identified on Chain	of Custody?	Yes 🔽	No 🗌	Adjusted?
3. Is it clear what analyses were requested?		Yes 🔽	No 🗌	10-1-010
 Were all holding times able to be met? (If no, notify customer for authorization.) 		Yes 🔽	No 🗆	Checked by: JR 5/13/2
pecial Handling (if applicable)				
5. Was client notified of all discrepancies wi	th this order?	Yes 🗌	No 🗔	NA 🗹
Person Notified: By Whom: Regarding: Client Instructions:	Date Via:	eMail	Phone 🗌 Fax	In Person
16. Additional remarks:				
Cooler Information Cooler No Temp °C Condition 1 0.8 Good	Seal Intact Seal No	Seal Date	Signed By	

HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com kins NE - Albuquerque, NM 87109 345-3975 Fax 505-345-4107 Analy is Reminst														· Clorder	139 J 29 29 29 29 20 2
IALL ENVIRONME IALL ENVIRONME INALYSIS LABOR www.hallenvironmental.com ns NE - Albuquerque, NM 87109 5-3975 Fa 505-345-4107 Analy is Request	Total Coliform (Present/Absent)													later	208
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R - --

Carl Marine

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District III

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

QUESTIONS

Action 349456

QUESTIONS					
Operator:	OGRID:				
DEVON ENERGY PRODUCTION COMPANY, LP	6137				
333 West Sheridan Ave.	Action Number:				
Oklahoma City, OK 73102	349456				
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)				

QUESTIONS

Prerequisites	
Incident ID (n#)	nRM2000935403
Incident Name	NRM2000935403 TODD 14 BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source

Please answer all the questions in this group.					
Site Name	TODD 14 BATTERY				
Date Release Discovered	08/20/2019				
Surface Owner	Federal				

Incident Details

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

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Tank (Any) Produced Water Released: 7 BBL Recovered: 4 BBL Lost: 3 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)	Not answered.

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

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QUESTIONS, Page 2

Action 349456

QUESTIONS (continued)					
Operator:	OGRID:				
DEVON ENERGY PRODUCTION COMPANY, LP	6137				
333 West Sheridan Ave.	Action Number:				
Oklahoma City, OK 73102	349456				
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)				

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.
I	Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
	Reasons why this would be considered a submission for a notification of a major release	Unavailable.
l	With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e	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 s	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.	
	iation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of avaluation in the follow-up C-141 submission.	
to report and/or file certain release notifications and perform corrective actions for releated to a construction of the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 05/30/2024	

District I

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Operator

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333 West Sheridan Ave.

DEVON ENERGY PRODUCTION COMPANY, LP

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

QUESTIONS (continued)

OGRID:

6137

QUESTIONS, Page 3

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Action 349456

333 West Sheridan Ave. Oklahoma City, OK 73102	Action Number: 349456
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approve release discovery date.	al and beyond). This information must be provided to the appropriate district office no later than 90 days after the
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release a	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 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 CI B) 4100 TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) 2500 GRO+DRO (EPA SW-846 Method 8015M) 700 BTEX (EPA SW-846 Method 8021B or 8260B) 0 (EPA SW-846 Method 8021B or 8260B) Benzene 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 04/20/2020 On what date will (or did) the final sampling or liner inspection occur 05/23/2020 On what date will (or was) the remediation complete(d) 05/23/2020 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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District III

Operator:

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333 West Sheridan Ave.

Oklahoma City, OK 73102

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

QUESTIONS, Page 4

Action 349456

DEVON ENERGY PRODUCTION COMPANY, LP

QUESTIONS (continued) OGRID: 6137 Action Number: 349456 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

(continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the		
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	no remediation was conducted as analytical results were below state action levels for DTW 51-100'	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed ef which includes the anticipated timelines for beginning and completing the remediation.	I fforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC	
o report and/or file certain release notifications and perform corrective actions for relea he OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com	

Date: 05/30/2024 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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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 5

Action 349456

QUESTIONS (continued) OGRID: Operator: DEVON ENERGY PRODUCTION COMPANY, LP 6137 333 West Sheridan Ave. Action Number: Oklahoma City, OK 73102 349456 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	Νο

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State of New Mexico Energy, Minerals and Natural Resources **Oil Conservation Division** 1220 S. St Francis Dr. 505

QUESTIONS, Page 6

Action 349456

Santa	Fe,	NM	875

QUESTIONS (continued)	
Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	349456
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	349477
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/22/2020
What was the (estimated) number of samples that were to be gathered	9
What was the sampling surface area in square feet	1808

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all re	emediation steps have been completed.
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	no remediation was conducted as analytical results were below state action levels for DTW 51-100'. report is resubmitted with pod data within 1/2 mile of location
	closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of
to report and/or file certain release notifications and perform corrective actions for releas the OCD does not relieve the operator of liability should their operations have failed to a water, human health or the environment. In addition, OCD acceptance of a C-141 repor	knowledge and understand that pursuant to OCD rules and regulations all operators are required ises which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or ially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed ng notification to the OCD when reclamation and re-vegetation are complete.
	Neme: Dela Weadall

Date: 05/30/2024

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District III

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

QUESTIONS, Page 7

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Action 349456

QUESTIONS (continued) Operator: OGRID: DEVON ENERGY PRODUCTION COMPANY, LP 6137 333 West Sheridan Ave. Action Number: Oklahoma City, OK 73102 349456 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) QUESTIONS Reclamation Report

Only answer the questions in this group if all reclamation steps have been completed. Requesting a reclamation approval with this submission No

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

CONDITIONS

Action 349456

CONDITIONS Operator: OGRID: DEVON ENERGY PRODUCTION COMPANY, LP 6137 333 West Sheridan Ave. Action Number: Oklahoma City, OK 73102 349456 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

	Created By	Condition	Condition Date
rhamlet We have received your Remediation Closure Report for Incident #NRM2000935403 TODD 14 BATTERY, thank you. This Remediation Closure Report is approved.		7/1/2024	