July 30, 2020

Vertex Project #: 20E-00141-037

	Tracking Number. NAB1606520521
	API: 30-015-20242 Tracking Number: NAB1808526921
	County: Eddy
	Unit P, Section 26, Township 23 South, Range 31 East
Spill Closure Report:	Todd 26G Federal 1

 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 near Todd 26G Federal 1, API 30-015-20242 (hereafter referred to as "Todd 26"). Devon provided immediate notification of the spill to New Mexico Oil Conservation Division (NM OCD) District 2 and the Bureau of Land Management (BLM), who own the property, on March 7, 2018. The initial C-141 Release Notification was submitted on March 20, 2018 (Attachment 1). The tracking number assigned to this incident is NAB1808526921.

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 March 7, 2018, a release occurred near Todd 26 when a leak developed in the tin horn at a junction on the injection line. This incident resulted in the release of approximately 28 barrels (bbls) of produced water onto the right of way (ROW) where the line is located. No produced water was recovered from the spill site. The release occurred off-lease, but no produced water was released into sensitive areas or waterways.

Site Characterization

The release associated with Todd 26 occurred on privately-owned land, N 32.269439, W 103.744157, approximately 20 miles east of Loving, New Mexico. The legal description for the site is Unit P, Section 26, 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.

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3101 Boyd Drive, Carlsbad, New Mexico 88220, USA | P 575.725.5001

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Todd 26 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 transportation via surface and subsurface lines. The following sections specifically describe the area in which the affected ROW and Todd 26 release are located.

The surrounding landscape is associated with plains and alluvial fans typical of elevations of 3,100 to 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 are a significant proportion of ground cover, while grasses compose the remainder. The dominant grass species are black grama, dropseeds and bluestems, with scattered shinnery oak and sand sage (United States Department of Agriculture, Natural Resources Conservation Service, 2020).

The *Geological Map of New Mexico* indicates the surface geology at Todd 26 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 indicates the soil at the release site is Kermit-Berino fine sands, characterized by deep, fine sands. This type of soil tends to be excessively-drained with negligible runoff and low 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 26 (United States Department of the Interior, United States Geological Survey, 2020a).

There is no surface water located at the release site near Todd 26. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC, is an intermittent stream located approximately 3.9 miles west-southwest of the release site (United States Fish and Wildlife Service, 2020). The closest continuously flowing watercourse is the Pecos River, located approximately 16 miles west of the site (United States Department of the Interior, United States Geological Survey, 2020b). A freshwater stock pond is located approximately 0.6 miles east of the release site (United States Fish and Wildlife Service, 2020). At Todd 26, 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 active groundwater well to Todd 26 is a New Mexico Office of the State Engineer (NM OSE)-identified well from 2013, located approximately 0.4 miles west of the site, with a depth to groundwater of 430 feet below ground surface (bgs; New Mexico Office of the State Engineer, New Mexico Water Rights Reporting System, 2020). 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.

Based on data included in the closure criteria determination worksheet, the release near Todd 26 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 constituent concentration limits based on depth to groundwater. However, the location of the spill off-lease in a ROW stipulates that reclamation of the site following remediation activities is warranted. To meet the reclamation requirements as outlined in 19.15.29.13 NMAC, the below constituent concentration limits were used.

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Todd 26G Federal 1

Table 1. Closure Criteria for Soils Impacted by a Release								
Depth to Groundwater	Constituent	Limit						
	Chloride	600 mg/kg						
	TPH ¹	100 mg/kg						
< 50 feet	(GRO + DRO + MRO)	100 118/ 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

As a significant amount of time has passed since the release near Todd 26, it was believed that the site would not require remediation. On March 24, 2020, Vertex provided 48-hour notification of confirmation sampling to NM OCD and the BLM (Attachment 4) as required by Subparagraph (a) of Paragraph (1) of Subsection D 19.15.29.12 NMAC. On March 27, 2020, Vertex was on-site to conduct an initial spill inspection and site characterization, and collect confirmatory samples, if possible. Initial field screening activities indicated that all constituents of concern within the area of potential impact from this release were below closure criteria as outlined in Table 1 and confirmatory sampling could commence. The Daily Field Report (DFR) associated with the site activities is included in Attachment 5.

A total of four five-point composite confirmatory samples were collected from the surface within the area of potential impact where the release occurred. Each composite 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 composite samples 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 Environmental Protection Agency (EPA) Method 8015 for TPH, including MRO, DRO and GRO. Confirmatory sampling analytical data are summarized in Table 2 (Attachment 6). 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 sample locations are presented on Figure 1 (Attachment 2).

Closure Request

Vertex recommends no additional remediation action to address the release near Todd 26. Laboratory analyses of the confirmatory samples showed constituent of concern concentration levels below NM OCD reclamation criteria for areas off-lease, as shown in Table 1. There are no anticipated risks to human, ecological or hydrological receptors associated with the release site.

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Devon Energy Production Company Todd 26G Federal 1

Because the area did not require remediation activities, the vegetation remains intact and appears healthy. Vertex requests that this incident (NAB1808526921) be closed as all closure requirements set forth in Subsection E of 19.15.29.12 NMAC and reclamation requirements set forth in Subsection D of 19.15.29.13 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 March 7, 2018, release near Todd 26.

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

Attachments

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

Devon Energy Production Company

Todd 26G Federal 1

References

- New Mexico Bureau of Geology and Mineral Resources. (2020). *Interactive Geologic Map.* Retrieved from http://geoinfo.nmt.edu.
- New Mexico Office of the State Engineer, New Mexico Water Rights Reporting System. (2020). *Water Column/Average* Depth to Water Report. Retrieved from http://nmwrrs.ose.state.nm.us/nmwrrs/waterColumn.html.
- New Mexico Oil Conservation Division. (2018). *New Mexico Administrative Code Natural Resources and Wildlife Oil and Gas Releases*. Santa Fe, New Mexico.
- United States Department of Agriculture, Natural Resources Conservation Service. (2020). *Web Soil Survey*. Retrieved from https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx.
- United States Department of the Interior, United States Geological Survey. (2020a). *Caves and Karst in the U.S. National Park Service*. Retrieved from https://www.arcgis.com/home/webmap/viewer.html?webmap=14675403c3794 8129acb758138f2dd1e
- United States Department of the Interior, United States Geological Survey. (2020b). *Groundwater for New Mexico: Water Levels*. Retrieved from https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?.
- United States Fish and Wildlife Service. (2020). *National Wetlands Inventory*. Retrieved from https://www.fws.gov/wetlands/data/Mapper.html.

2020 Spill Assessment and Closure July 2020

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

eceivea by OCD: //20/2020 9:15:34 AM				NM	OIL CONSE	RVATION	Page 8 of		
<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II	Sta Energy Min		New Mex		ARTESIA DIS		Form C-141 Revised April 3, 2017		
11 S. First St., Artesia, NM 88210 District III			vation Div		Submit 1 (Tonu to onnon	riata District Office in		
000 Rio Brazos Road, Aztec, NM 87410 District IV			St. Franc	-	RECEIV	Enjcordance	with 19.15.29 NMAC.		
220 S. St. Francis Dr., Santa Fe, NM 87505	Sa	nta Fe	, NM 875	05					
	lease Notific	ation	and Co	orrective A	ction				
NAB180852692			OPERA			nitial Report	Final Report		
Name of Company Devon Energy Produce Address 6488 Seven Rivers Hwy Artesia,				rle Lewis, Proc No. 575-748-33		ian			
Facility Name Todd 26G Federal 1 (Releasing the section of the sec	ase occurred on th		Facility Typ						
Surface Owner Private	Mineral O	wner F	ederal		AP	No. 30-015	-20242		
	LOCA	TION	I OF REI	LEASE					
Unit Letter Section Township Range P 26 23S 31E	Feet from the	North/S	South Line	Feet from the	East/West L	ine County Eddy			
Lat	itude_32.269439	N_ Lor	ngitude10	3.744157 W_	NAD83				
	NAT	URE	OF REL						
Type of Release Produced Water			Volume of 28bbls	Release	Volu None	me Recovered			
Source of Release				lour of Occurren 018 @ 12:35 AN		and Hour of D	iscovery 2:35 AM MST		
Was Immediate Notice Given?			If YES, To	Whom?	· · ·		2.35 AM MS1		
X Yes	No 🗌 Not Re	quired	d Mike Bratcher & Crystal Weaver, NMOCD Tammy Thonea, NMSLO Shelly Tucker, BLM						
By Whom? Mike Shoemaker, EHS Representative			Date and H		MST				
Was a Watercourse Reached?	· · ·		If YES, Vo	olume Impacting		ie.			
☐ Yes			N/A						
If a Watercourse was Impacted, Describe Fully N/A	1.*								
Describe Cause of Problem and Remedial Acti The leak occurred in the tin horn at a junc release from occurring.		on line.	The line w	vas immediatel	y shut in and i	solated to sto	p any further		
Describe Area Affected and Cleanup Action T Approximately 28bbls of produced water was lelineation and remediation efforts.	aken.* released with no flui	ids bein;	g recovered.	An environment	tal contractor w	ill be contacted	I to assist with		
I hereby certify that the information given abo regulations all operators are required to report public health or the environment. The accepta should their operations have failed to adequate or the environment. In addition, NMOCD acc federal, state, or local laws and/or regulations.	and/or file certain re nce of a C-141 repo ly investigate and re	elease no rt by the emediate	otifications a NMOCD m contaminati	nd perform corre arked as "Final I on that pose a th	ctive actions for Report" does no reat to ground	or releases which ot relieve the op water, surface	h may endanger perator of liability water, human health		
				OIL CON	ISERVATI	ON DIVIS	ION		
Signature: Michael Shoemaker			Approved by	Signed F Environmental	Beconting	Brances	<u> </u>		
Printed Name: Michael Shoemaker	· · · · ·		FF						
Title: Environmental Professional			Approval Da	te: 323	B Expira	tion Date: N	14		
			Conditions o	f Approval:		Attach	. —		
E-mail Address: mike.shoemaker@dvn.com				\wedge	Hachpa	Allacin	\mathcal{A}		

Received by OCD: 7/20/2020 9:15:34 AM

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Operator/Responsible Party,

The OCD has received the form C-141 you provided on 3/20/2018 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 300400 has been assigned. Please refer to this case number in all future correspondence.

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete <u>division-approved corrective action</u> for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District <u>2</u> office in <u>ARTESIA</u> on or before <u>4/20/2018</u>. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

• Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.

• Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.

• Nominal detection limits for field and laboratory analyses must be provided.

• Composite sampling is not generally allowed.

• Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

•Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

• If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

• Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold OCD Environmental Bureau Chief 1220 South St. Francis Drive Santa Fe, New Mexico 87505 505-476-3465 jim.griswold@state.nm.us

Bratcher, Mike, EMNRD

From:	Shoemaker, Mike <mike.shoemaker@dvn.com></mike.shoemaker@dvn.com>
Sent:	Tuesday, March 20, 2018 7:15 PM
То:	Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD; Shelly Tucker (stucker@blm.gov)
Cc:	Fulks, Brett; DeLaRosa, Dana
Subject:	Todd 26G Federal 1_28BBLS PW_3.7.2018
Attachments:	Todd 26G Federal 1_28bbls PW_3.7.2018_ GIS Image.pdf; Todd 26G SWD_28BBLS PW_ 3.7.2018_Intial C141.doc

Good Evening,

Attached you will find the C141 and the GIS image for the 28BBL produced water release that occurred at the Todd 26G Federal 1 on 3.7.2018. The red dot on the GIS image represents the origin of release.

Thank you,

Mike Shoemaker EHS Representative

Devon Energy Corporation 6488 Seven Rivers Highway Artesia, New Mexico 88210

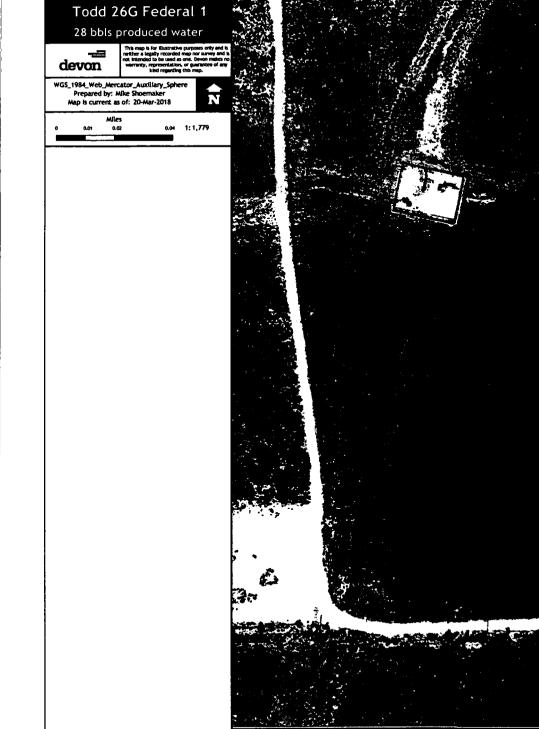
575-746-5566 Office 575-513-5035 Mobile



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. Released to Imaging: 4/19/2021 12:13:12 PM

Bratcher, Mike, EMNRD

From:	Shoemaker, Mike <mike.shoemaker@dvn.com></mike.shoemaker@dvn.com>
Sent:	Wednesday, March 7, 2018 7:32 PM
То:	Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD; Honea, Tammy; Shelly Tucker (stucker@blm.gov)
Subject:	Todd 26 G Federal 1 (API #30-015-20242)

Good Evening,

Devon had a release occur at 12:35 AM MST on 03/07/18. The incident is described below.

- 1. Todd 26 G Federal 1 (API #30-015-20242) the point of the release was on the Right of Way at the following GPS coordinates (Lat:32.269439 N, Long: 103.744157 W).
 - a. The leak occurred in the tin horn at a junction on injection Line. Approximately 28.24 bbls of produced water was release and none was recovered.

My GIS layers on my computer are having issues this evening in turn I believe this is Private Surface/State Minerals so I have included the SLO. I have also included BLM as a precautionary measure. I will further review tomorrow morning and provide everyone with an update on Surface and Mineral ownership.

A C-141 will be prepared and submitted with GPS coordinates of the area affected.

If you have any questions please let me know.

Thanks,

Mike Shoemaker EHS Representative

Devon Energy Corporation 6488 Seven Rivers Highway Artesia, New Mexico 88210 575-746-5566 Office 575-513-5035 Mobile



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Oil Conservation Division

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Incident ID	NAB1808526921
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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?	(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 X No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🗶 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🗶 No
Are the lateral extents of the release within a 100-year floodplain?	Yes 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: 7/20/2	020 9:15:34 AM State of New Me	wigo	Page 15 of				
			Incident ID	NAB1808526921			
Page 4	Oil Conservation D	ivision	District RP	2RP-4677			
			Facility ID				
			Application ID				
regulations all operators are public health or the environ failed to adequately investi addition, OCD acceptance and/or regulations. Printed Name: <u>Amano</u> Signature: <u>Amano</u>		release notifications and perform of the OCD does not relieve the pose a threat to groundwater, surpoperator of responsibility for commendations. Title: EHS Profestion Date: 7/10/202	corrective actions for rele he operator of liability sh face water, human health pliance with any other fe Sessional	eases which may endanger ould their operations have or the environment. In deral, state, or local laws			
OCD Only Received by:		Date:					

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Oil Conservation Division

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Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. X A scaled site and sampling diagram as described in 19.15.29.11 NMAC X Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) X Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Title: EHS Professional Printed Name: Amanda Davis Signature: Amanda Davis Date: 7/10/2020 email: amanda.davis@dvn.com Telephone: 575-748-0176 **OCD Only** Date: 04/19/2021 Received by: Chad Hensley Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:	Date: 04/19/2021
Printed Name: Chad Hensley	Title: Environmental Specialist Advanced

ATTACHMENT 2



Note: Imagery from ESRI, 2018.

ATTACHMENT 3

•

Site Nam	e: Todd 26 G Fed 1		
Spill Coo	rdinates:	X: 32.27720	Y: -103.74650
Site Spec	ific Conditions	Value	Unit
1	Depth to Groundwater	430	feet
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	21,029	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	5,494	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	26,655	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 	2,601	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	17,352	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	No	year
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	>100'	<50' 51-100' >100'

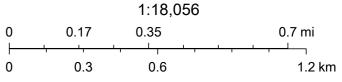
Todd 26 G Fed 1 - Nearest OSE Well



6/30/2020, 1:06:20 PM



Released to Linguistics of the State Engineer (OSE) provides this geographic data and any associated metadata "as is" without warranty of any kind, including but not limited to its completeness, fitness for a particular use, or accuracy of its content, positional or otherwise. It is the sole responsibility of the user to



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, (c) OpenStreetMap contributors, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user



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= gest)		.D83 UTM in me	eters)	(In feet)	
POD Number	POD Sub- Code basin C	County		Q 16		Sec	Tws	Rna		x	Y	Distance	-	-	Water Column
C 02258	С	ED					23S	31E	61805		3571853* 🌍	8	662		
<u>C 02348</u>	С	ED	1	4	3	26	23S	31E	61764	48	3571068 🌍	878	700	430	270
<u>C 02405</u>	CUB	ED		4	1	02	24S	31E	61769	90	3568631* 🌍	3239	275	160	115
<u>C 02464</u>	С	ED	3	4	1	02	24S	31E	61758	39	3568530* 🌍	3352	320	205	115
<u>C 02460</u>	С	ED			3	02	24S	31E	61749	96	3568022* 🌍	3868	320		
C 02460 POD2	С	ED			3	02	24S	31E	61749	96	3568022* 🌍	3868	320		
<u>C 02777</u>	CUB	ED	4	4	4	10	23S	31E	61697	74	3575662 🌍	3959	890		
C 03749 POD1	CUB	ED		2	2	15	23S	31E	61697	74	3575662 🌍	3959	865	639	226
C 03529 POD1	С	LE	2	4	3	29	23S	32E	62265	51	3571212 🌍	4649	550		
C 03851 POD1	CUB	LE	3	3	4	20	23S	32E	62288	30	3572660 🌍	4900	1392	713	679
											Avera	ge Depth to	Water:	429	feet
												Minimum	Depth:	160	feet
												Maximum	Depth:	713	feet
Becard County 10															

Record Count: 10

UTMNAD83 Radius Search (in meters):

Easting (X): 618046.25

Northing (Y): 3571851

Radius: 5000

*UTM location was derived from PLSS - see Help

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3/3/20 12:33 PM



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

(with Ownership Information)

		(acros	ft per annum)				(R=POD has been rep and no longer serves	this file, (quar					LITM in motors)	
	Sub	(acre				Well	C=the file is closed)		qqq		allest to largest)	(INAD05	UTM in meters)	
WR File Nbr		Use Di	version Owner	County	POD Number	Tag	Code Grant			-	Tws Rng	х	Y	Distance
<u>C 02258</u>	С	PRO	0 DEVON ENERGY CORP.(NEVADA)	-	<u>C 02258</u>						23S 31E	618055	3571853* 🌍	8
<u>C 02348</u>	С	STK	3 NGL WATER SOLUTIONS PERMIAN	ED	<u>C 02348</u>			Shallow	143	3 26	23S 31E	617647	3571068 🌍	879
<u>C 02602</u>	С	SAN	0 POGO PRODUCING COMPANY	ED	<u>C 02602</u>				2 2	2 35	23S 31E	618471	3570650* 🌍	1274
<u>C 00225 A</u>	CUB	IRR	8.4 GREGORY ROCKHOUSE RANCH	ED	<u>C 02405</u>			Shallow	4 1	02	24S 31E	617690	3568631* 🌍	3240
<u>C 01246 AO</u>	CUB	IRR	47.82 CATHLEEN MC INTIRE	ED	<u>C 02405</u>			Shallow	4 1	02	24S 31E	617690	3568631* 🌍	3240
<u>C 02405</u>	С	PRO	0 TEXACO EXPLORATION & PROD. IND	ED	<u>C 02405</u>			Shallow	4 1	02	24S 31E	617690	3568631* 🌍	3240
<u>C 02452</u>	С	PRO	0 TEXACO EXPLORATION & PROI INC.	D ED	<u>C 02405</u>			Shallow	4 1	02	24S 31E	617690	3568631* 🌍	3240
				ED	<u>C 02452</u>				4 1	02	24S 31E	617690	3568631* 🌍	3240
<u>C 02576</u>	С	PRO	0 SONAT EXPLORATION COMPANY	ED	<u>C 02405</u>			Shallow	4 1	02	24S 31E	617690	3568631* 🌍	3240
<u>C 02464</u>	С	PRO	0 COMMISSIONER OF PUBLIC LANDS	ED	<u>C 02464</u>			Shallow	341	02	24S 31E	617589	3568530* 🌍	3352
<u>C 02901</u>	С	PUB	0 B & H MAINTENANCE & CONST.	ED	<u>C 02901</u>				341	02	24S 31E	617589	3568530* 🌍	3352
<u>C 02460</u>	С	PRO	0 SONAT EXPLORATION	ED	<u>C 02460</u>			Shallow	3	3 02	24S 31E	617496	3568022* 🌍	3868
				ED	C 02460 POD2			Shallow	3	8 02	24S 31E	617496	3568022* 🌕	3868
<u>C 02777</u>	CUB	MON	0 US DEPT OF ENERGY WIPP	ED	<u>C 02777</u>				444	10	23S 31E	616973	3575662 🌍	3958
<u>C 03749</u>	CUB	MON	0 US DEPARTMENT OF ENERGY	ED	C 03749 POD1			Shallow	2 2	2 15	23S 31E	616973	3575662 🌍	3958
<u>C 03529</u>	С	STK	0 ANNETTE MCCLOY	LE	C 03529 POD1				243	3 29	23S 32E	622651	3571212 🌍	4649
<u>C 03851</u>	CUB	MON	0 US DEPARTMENT OF ENERGY	LE	C 03851 POD1		NON	Artesian	334	1 20	23S 32E	622879	3572660 🌍	4900

*UTM location was derived from PLSS - see Help

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Received by OCD: 7/20/2020 9:15:34 AM

Record Count: 17

UTMNAD83 Radius Search (in meters):

Easting (X): 618046.25

Northing (Y): 3571851.53

Radius: 5000

Sorted by: Distance



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.)	cates (R=POD has een been replaced, onger O=orphaned,			(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)									(in feet)				
POD Number	POD Sub- Code basin C	`ount	v Source	q q 6416		Twe	Png	x	Y	Distance Start D	Data	Finish Date	Log File	Depth Well	Depth Water Driller	License Number	
C 02258	C	ED	y oource			23S	•	618055	3571853* 🦲	8 09/18/ ²		09/18/1992		662		421	
C 02348	С	ED	Shallow	14	3 26	23S	31E	617648	3571068 🍯	879 10/31/2	2013	11/01/2013	11/07/2013	700	430 JOHN SIRMAN	1654	
<u>C 02405</u>	CUB	ED	Shallow	4	1 02	24S	31E	617690	3568631* 🔵	3240 09/29/2	1994	09/30/1994	12/05/1994	275	160 COLLIS, ROBERT E.	1184	
<u>C 02464</u>	С	ED	Shallow	34	1 02	24S	31E	617589	3568530* 🌍	3352 08/24/1	1995	08/24/1995	09/07/1995	320	205 GLENN, CLARK A."CORKY" (LD)	421	
<u>C 02460</u>	С	ED	Shallow		3 02	24S	31E	617496	3568022* 🌍	3868 08/21/2	1995	08/21/1995	09/07/1995	320	GLENN, CLARK A."CORKY" (LD)	421	
C 02460 POD2	С	ED	Shallow		3 02	24S	31E	617496	3568022* 🔵	3868 08/25/*	1995	08/25/1995	09/07/1995	320	GLENN, CLARK A."CORKY" (LD)	421	
C 03749 POD1	CUB	ED	Shallow	2	2 15	23S	31E	616974	3575662 🌍	3958 07/10/2	2014	08/06/2014	09/11/2014	865	639 RANDY STEWART	331	
<u>C 03851 POD1</u>	CUB	LE	Artesian	33	4 20	23S	32E	622880	3572660 🌍	4900 08/19/2	2015	10/02/2015	11/10/2015	1392	713 STEWART, RANDAL P.	1723	
Record Count: 8 UTMNAD83 Rad	lius Search (in	n met	ters):														

Easting (X): 618046.25

Northing (Y): 3571851.53

Radius: 5000

*UTM location was derived from PLSS - see Help

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National Water Information System: Web Interface

USGS Wat	er Resources
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 Data Category:
 Geographic Area:

 Site Information
 ▼

 United States
 ▼

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- Full News 🔊

USGS 321609103445901 23S.31E.26.34411

Available data for this site SUMMARY OF ALL AVAILABLE DATA V GO

Well Site

DESCRIPTION:

Latitude 32°16'11.9", Longitude 103°45'01.2" NAD83 Eddy County, New Mexico , Hydrologic Unit 13060011 Well depth: 365 feet Land surface altitude: 3,451.00 feet above NGVD29. Well completed in "Dewey Lake Redbeds" (312DYLK) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1959-02-04	2013-02-14	5
Field/Lab water-quality samples	1972-09-20	1972-09-20	1
Revisions	Unavailable (site:0) (timese	eries:0)

OPERATION:

Record for this site is maintained by the USGS New Mexico Water Science Center Email questions about this site to <u>New Mexico Water Science Center Water-Data Inquiries</u>

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

Accessibility Plug-Ins FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

Title: NWIS Site Information for USA: Site Inventory URL: https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=321609103445901

Page Contact Information: <u>New Mexico Water Data Support Team</u> Page Last Modified: 2020-03-04 08:53:58 EST 0.32 0.31 caww01



Received by OCD: 7/20/2020 9:15:34 AM

National Wetlands Inventory

Todd 26 G Fed 1 - Nearest Stock Pond

Page 28 of 87



June 30, 2020

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- **Freshwater Pond**

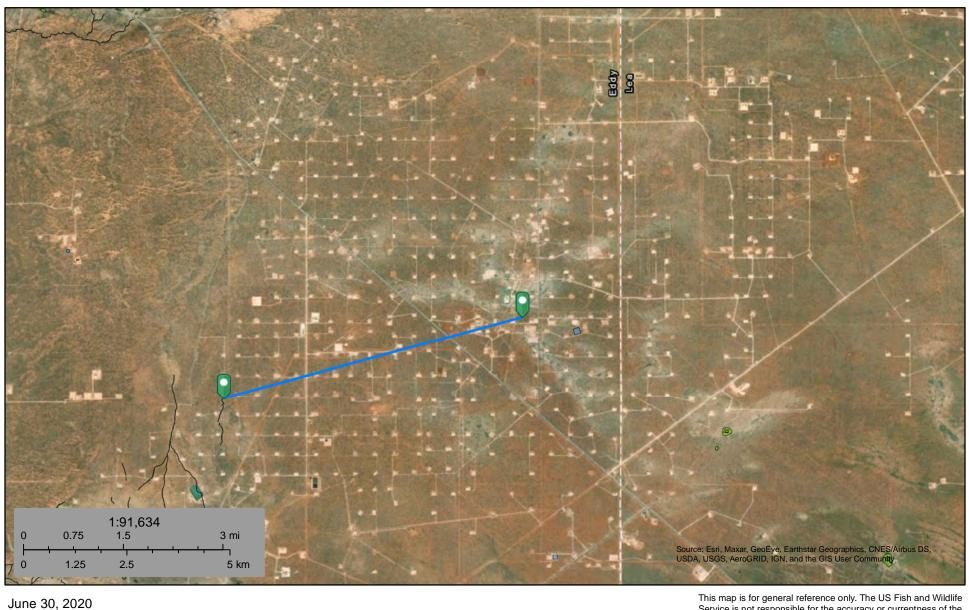
Lake Other Riverine This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

. Released to Imaging: 4/19/2021 12:13:12 PM

Received by OCD: 7/20/2020 9:15:34 AM U.S. Fish and Wildlife Service

National Wetlands Inventory

Todd 26 G Fed 1 - Nearest Stream



Wetlands

- - Estuarine and Marine Deepwater

. Released to Imaging: 4/19/2021 12:13:12 PM

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

Lake Other Riverine 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.

Received by OCD: 7/20/2020 9:15:34 AM

Nearest watercourse: Pecos River Distance: 16.03 miles (84,622 ft)

31

Legend Page 30 of 87

Todd 26 G Fed 1

- ----

7 mi

-

ihuy 128

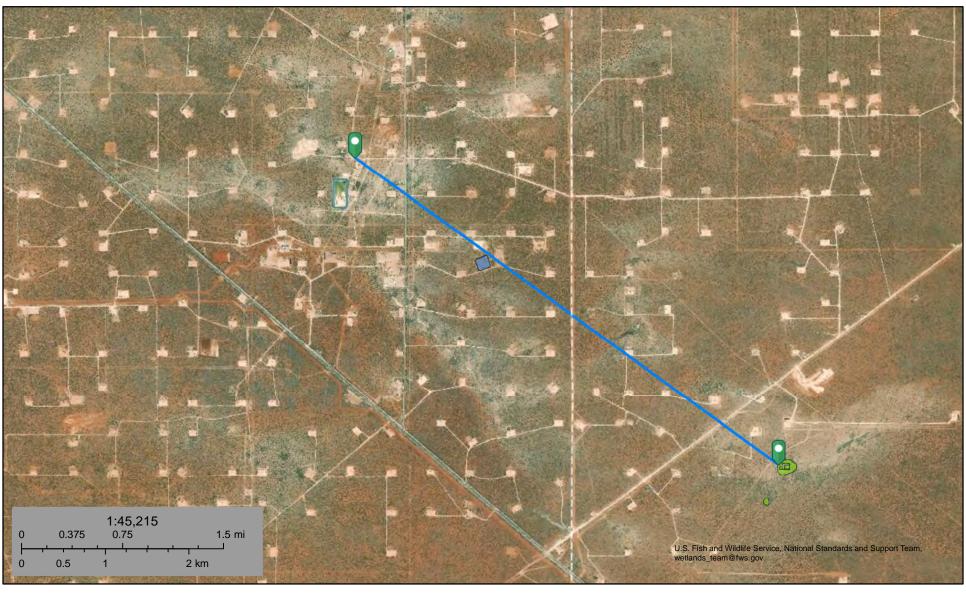
Google Earth Released to Imaging: 4/19/2021 12:13:12 PM Received by OCD: 7/20/2020 9:15:34 AM U.S. Fish and Wildlife Service



National Wetlands Inventory

Todd 26 G Fed 1: Wetland 17,352 ft

Page 31 of 87



March 3, 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: 4/19/2021 12:13:12 PM



740 Potesh Mines Rd

387

Malaga

Loving

31

Nearest town: Loving, NM Distance: 20.39 miles (107,672 ft)

Legend Page 32 of 87 Loving Fire Dept Ş Todd 26 G Fed 1

Todd 26 G Fed 1

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128

1.1.1

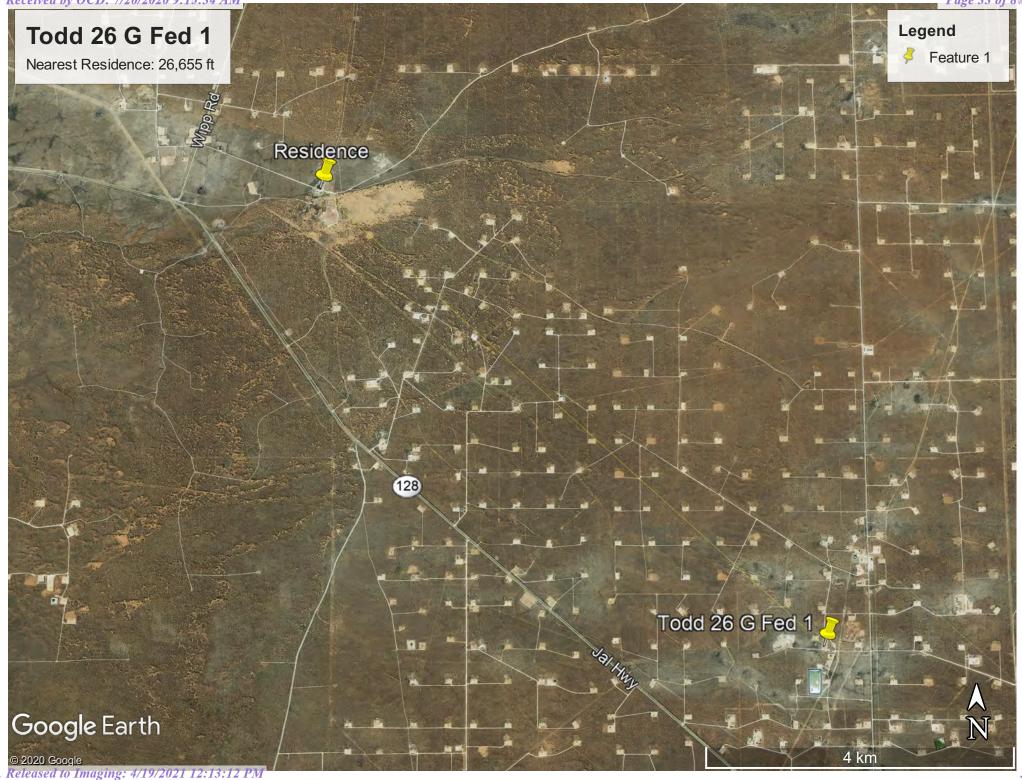
2 1 2 Lake

9 mi

Google Eart Released to Imaging: 4/19/2021 12:13:12 PM

285

Received by OCD: 7/20/2020 9:15:34 AM



Received by OCD: 7/20/2020 9:15:34 AM INATIONAL FIOOD Hazard Layer FIRMette



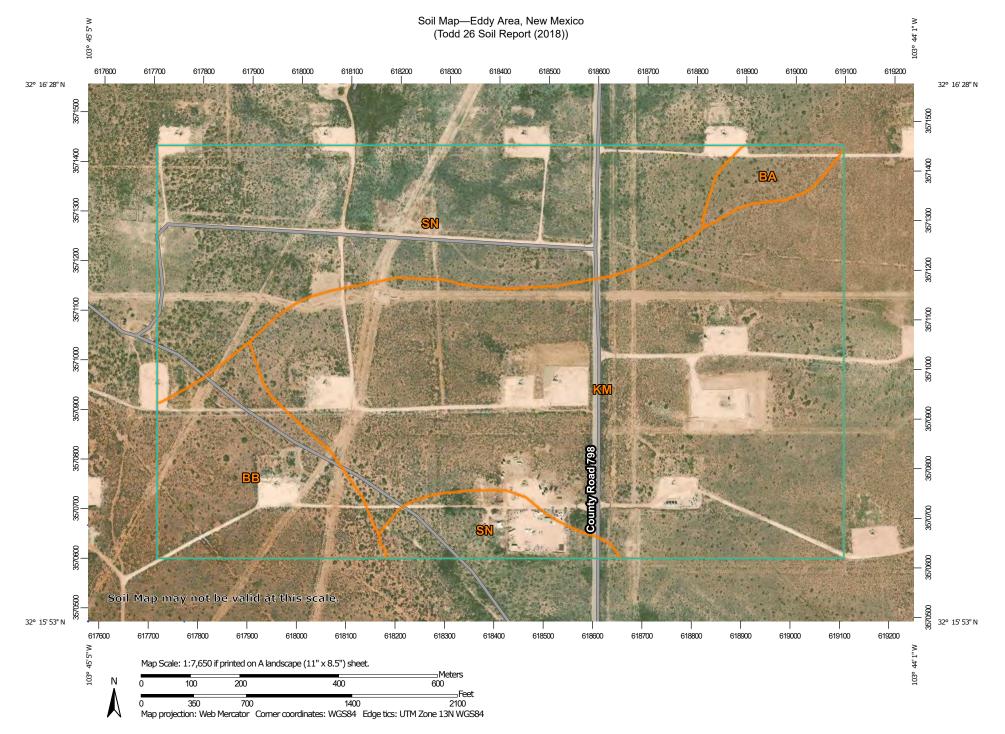
Legend

Page 34 of 87

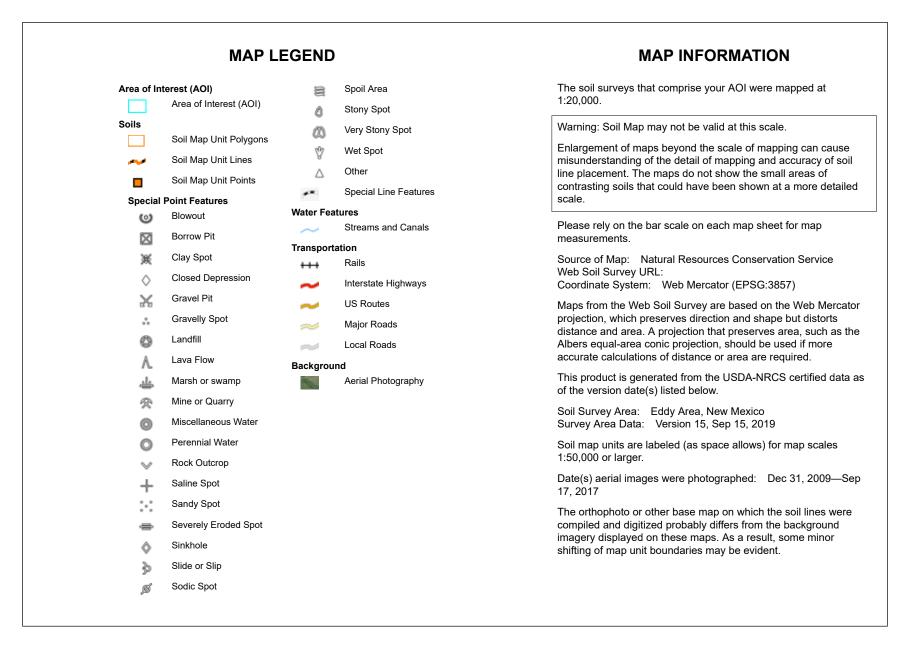
32°16'53.13"N SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS **Regulatory Floodway** 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X Future Conditions 1% Annual Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF FLOOD HAZARD Area with Flood Risk due to Levee Zone D NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D GENERAL - - - Channel, Culvert, or Storm Sewer STRUCTURES IIIII Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation AREA OF MINIMAL FLOOD HAZARD Eddy County 350120 **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary **Coastal Transect Baseline** OTHER **Profile Baseline** 35015 C1400D 35015C1425D FEATURES Hydrographic Feature 6/4/2010 **Not Printed** Not Printed **Digital Data Available** No Digital Data Available MAP PANELS Unmapped The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location. This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/3/2020 at 2:42:12 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time. This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, USGS The National Map: Orthoimagery. Data refreshed April, 2019. legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for 32°16'22.71"N 1:6,000 Feet unmapped and unmodernized areas cannot be used for

Releasea to Imaging: 4/19/2021 9293:12 PM 1,500 2,000

regulatory purposes.



USDA Natural Resources Conservation Service . Released to Imaging: 4/19/2021 12:13:12 PM Web Soil Survey National Cooperative Soil Survey 6/30/2020 Page 1 of 3



Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
ВА	Berino loamy fine sand, 0 to 3 percent slopes	6.4	2.2%
BB	Berino complex, 0 to 3 percent slopes, eroded	32.7	11.4%
КМ	Kermit-Berino fine sands, 0 to 3 percent slopes	150.5	52.4%
SN	Simona and Wink fine sandy loams, 0 to 3 percent slopes, eroded	97.7	34.0%
Totals for Area of Interest		287.3	100.0%



Page 38 of 87

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

Page 39 of 87

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

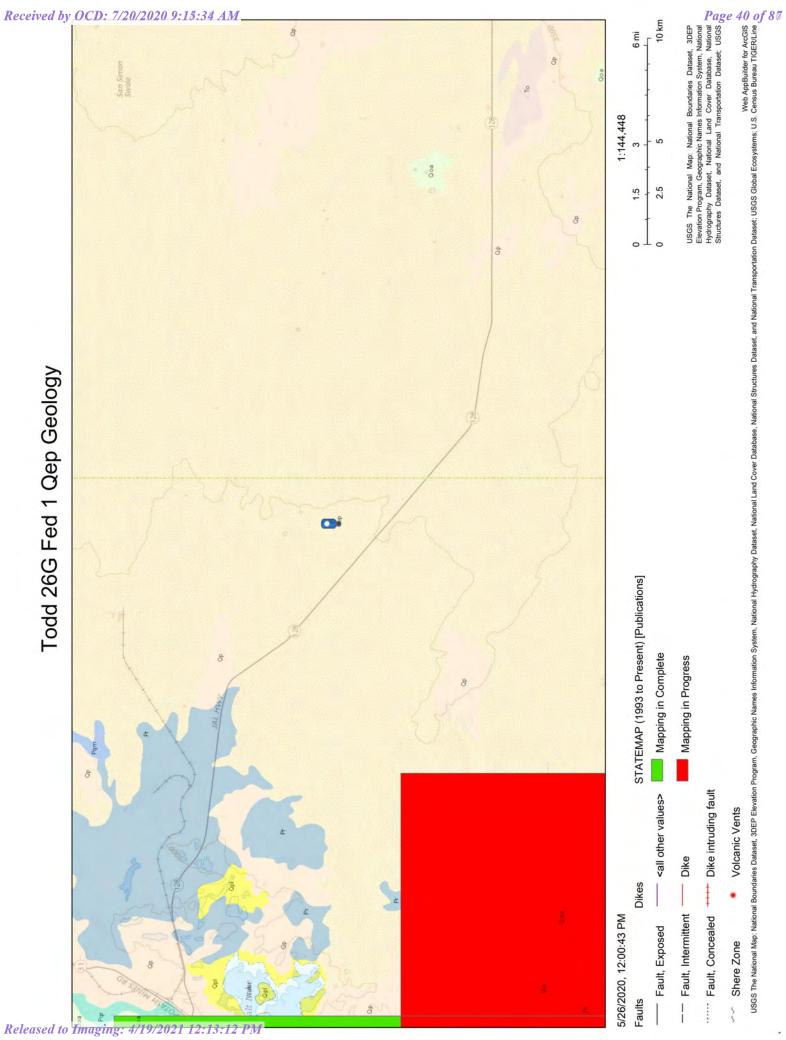
Active dune land

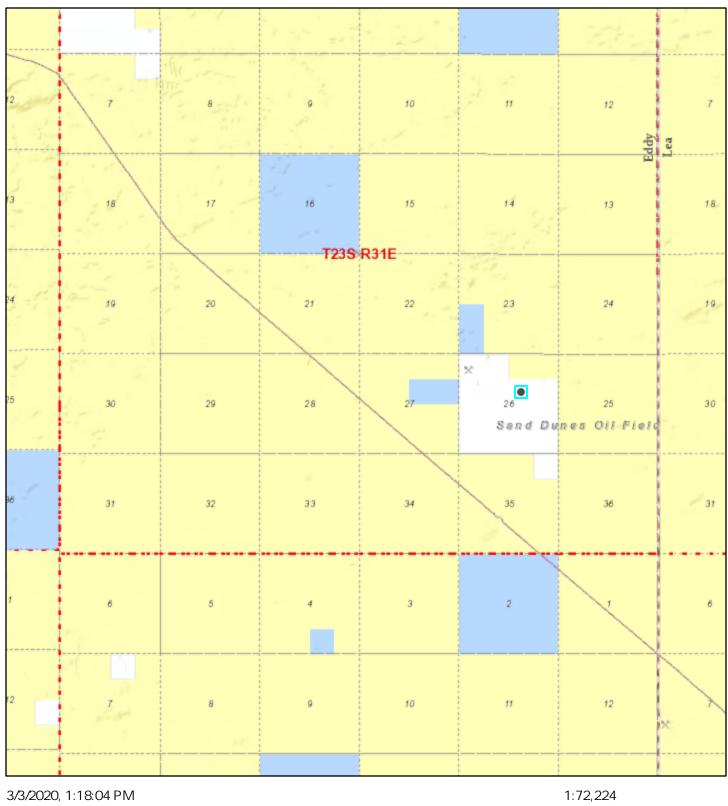
Percent of map unit: 15 percent *Hydric soil rating:* No

Data Source Information

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







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

ATTACHMENT 4

Natalie Gordon

From:	Dhugal Hanton <vertexresourcegroupusa@gmail.com></vertexresourcegroupusa@gmail.com>
Sent:	Tuesday, March 24, 2020 4:04 PM
То:	Natalie Gordon
Subject:	Fwd: NAB1808526921/nHMP1420427160: Todd 26G Fed 1 - 48-hr Notification of
-	Confirmation Sampling

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

From: Dhugal Hanton <vertexresourcegroupusa@gmail.com>

Date: Tue, Mar 24, 2020 at 4:03 PM

Subject: NAB1808526921/nHMP1420427160: Todd 26G Fed 1 - 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>>, Kelsey <<u>KWade@blm.gov</u>>, <<u>Jamos@blm.gov</u>> Cc: <<u>tom.bynum@dvn.com</u>>, <<u>amanda.davis@dvn.com</u>>, <<u>Lupe.Carrasco@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 26G Federal 1 for the following two open releases:

NAB1808526921 - DOR: March 7, 2018 nHMP1420427160 - DOR: July 18, 2014

On Friday, March 27, 2020 at approximately 1:30 p.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

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ATTACHMENT 5



Client:	Devon Energy Corporation	Inspection Date:	3/27/2020
Site Location Name:	Todd 26G Federal 1	Report Run Date:	5/14/2020 12:13 AM
Project Owner:	Amanda Davis	File (Project) #:	20E-00141
Project Manager:	Natalie Gordon	API #:	30-015-20242
Client Contact Name:	Amanda Davis	Reference	2RP-4677, 2RP-2386
Client Contact Phone #:	(575) 748-0176	-	
		Summary of	Times
Left Office	3/27/2020 9:00 AM		
Arrived at Site	3/27/2020 9:30 AM		
Departed Site	3/27/2020 12:13 PM		
Returned to Office	3/27/2020 2:13 PM		

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Site Sketch



Run on 5/14/2020 12:13 AM UTC





Run on 5/14/2020 12:13 AM UTC



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Summary of Daily Operations

9:32 Collect 12 composite samples for confirmation sampling event

9:39 Collecting composite samples from containment and pasture

Next Steps & Recommendations

1 Send samples for lab analysis

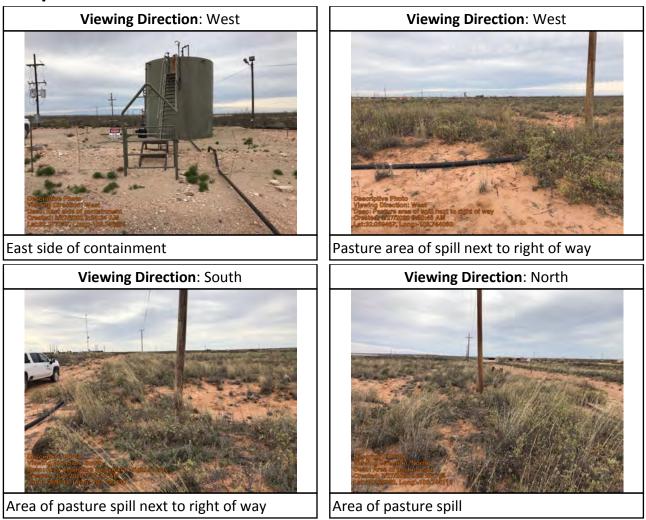
2 Closure report



Site Photos Viewing Direction: North Viewing Direction: East ٨ West side of battery Tank battery containment Viewing Direction: East Viewing Direction: South North side of containment East side of containment

Run on 5/14/2020 12:13 AM UTC







Daily Site Visit Signature

Inspector: Monica Peppin _ Signature: Signature

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ATTACHMENT 6

Client Name: Devon Energy Production Company Site Name: Todd 26G Federal 1 NM OCD Tracking #: NAB1808526921 Project #: 20E-00141-037 Lab Reports: 2003C65

	Table 2. Confirmatory Sampling Laboratory Data - Depth to Groundwater < 50 feet									
	Sample Descriptio	n	Petroleum Hydrocarbons							Inorganic
			Vola	atile			Extractable			morganic
Sample ID	Depth (ft)	Sample Date	Benzene (mg/kg)) (fotal) (fotal)	ම් Gasoline Range කී Organics (GRO)	a) Diesel Range Organics (DRO)	ඔ කී Motor Oil Range කී Organics (MRO)	(OXO + OXO) (egg/kg)) Total Petroleum (a) Hydrocarbons (TPH)	Chloride (m8/kg)
BS 20-09	0	March 27, 2020	<0.025	<0.224	<5.0	<9.5	<47	<14.5	<61.5	<60
BS 20-10	0	March 27, 2020	<0.025	<0.224	<5.0	<9.6	<48	<14.6	<62.6	<60
BS 20-11	0	March 27, 2020	<0.025	<0.222	<4.9	<10	<50	<14.9	<64.9	<61
BS 20-12	0	March 27, 2020	<0.025	<0.224	<5.0	<9.4	<47	<14.4	<61.4	<60

Sample numbering starts at BS 20-09 as this release was sampled at the same time as a different release associated with Todd 26G Federal 1.

Bold and shaded indicates exceedance outside of applied action level



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ATTACHMENT 7

HALL ENVIRONMENTAL ANALYSIS LABORATORY

April 06, 2020

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Natalie GordonDevon Energy6488 Seven Rivers HighwayArtesia, NM 88210TEL: (575) 748-0176FAXNAB1808526921 (BS20-09 through BS20-12)

RE: Todd 26 G Federal 1

OrderNo.: 2003C65

Dear Natalie Gordon:

Hall Environmental Analysis Laboratory received 12 sample(s) on 3/28/2020 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

Todd 26 G Federal 1

Project:

Chloride

Analytical Report Lab Order 2003C65

4/2/2020 2:18:56 PM

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/6/2020 Client Sample ID: BS20-01 0 Collection Date: 3/27/2020 9:40:00 AM

Lab ID: 2003C65-001 Matrix: SOIL Received Date: 3/28/2020 8:15:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: BRM Diesel Range Organics (DRO) 170 9.8 mg/Kg 1 4/2/2020 12:31:15 AM Motor Oil Range Organics (MRO) 660 49 mg/Kg 1 4/2/2020 12:31:15 AM Surr: DNOP 102 55.1-146 %Rec 1 4/2/2020 12:31:15 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 4/4/2020 7:00:15 AM 5.0 mg/Kg 1 Surr: BFB 101 66.6-105 %Rec 1 4/4/2020 7:00:15 AM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 0.025 mg/Kg 4/4/2020 7:00:15 AM 1 Toluene 0.050 ND mg/Kg 1 4/4/2020 7:00:15 AM Ethylbenzene ND 0.050 mg/Kg 1 4/4/2020 7:00:15 AM Xylenes, Total ND 0.10 mg/Kg 1 4/4/2020 7:00:15 AM 4/4/2020 7:00:15 AM Surr: 4-Bromofluorobenzene 104 80-120 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: JMT

ND

60

ma/Ka

20

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 POL 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
- Reporting Limit RL

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Todd 26 G Federal 1

2003C65-002

Project:

Lab ID:

Analytical Report Lab Order 2003C65

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/6/2020 Client Sample ID: BS20-02 0' Collection Date: 3/27/2020 9:45:00 AM

Received Date: 3/28/2020 8:15:00 AM

llyses	Result	RL Qu	al Units	DF	Date Analyzed
A METHOD 8015M/D: DIESEL RANGE C	RGANICS				Analyst: CLP
viesel Range Organics (DRO)	78	47	mg/Kg	5	4/5/2020 11:17:53 PM
lotor Oil Range Organics (MRO)	240	230	mg/Kg	5	4/5/2020 11:17:53 PM
Surr: DNOP	93.4	55.1-146	%Rec	5	4/5/2020 11:17:53 PM
A METHOD 8015D: GASOLINE RANGE					Analyst: RAA
asoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/4/2020 8:11:05 AM
Surr: BFB	99.6	66.6-105	%Rec	1	4/4/2020 8:11:05 AM
A METHOD 8021B: VOLATILES					Analyst: RAA
enzene	ND	0.024	mg/Kg	1	4/4/2020 8:11:05 AM
oluene	ND	0.049	mg/Kg	1	4/4/2020 8:11:05 AM
thylbenzene	ND	0.049	mg/Kg	1	4/4/2020 8:11:05 AM
ylenes, Total	ND	0.098	mg/Kg	1	4/4/2020 8:11:05 AM
Surr: 4-Bromofluorobenzene	103	80-120	%Rec	1	4/4/2020 8:11:05 AM
A METHOD 300.0: ANIONS					Analyst: JMT
hloride	ND	60	mg/Kg	20	4/2/2020 2:31:17 PM
	ND	60	mg/Kg	20	

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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Todd 26 G Federal 1

2003C65-003

Project:

Lab ID:

Analytical Report Lab Order 2003C65

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/6/2020 Client Sample ID: BS20-03 0' Collection Date: 3/27/2020 9:50:00 AM

Received Date: 3/28/2020 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					Analyst: BRM
Diesel Range Organics (DRO)	1700	95		mg/Kg	10	4/2/2020 2:08:47 AM
Motor Oil Range Organics (MRO)	3000	480		mg/Kg	10	4/2/2020 2:08:47 AM
Surr: DNOP	0	55.1-146	S	%Rec	10	4/2/2020 2:08:47 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/4/2020 9:22:01 AM
Surr: BFB	99.1	66.6-105		%Rec	1	4/4/2020 9:22:01 AM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	4/4/2020 9:22:01 AM
Toluene	ND	0.049		mg/Kg	1	4/4/2020 9:22:01 AM
Ethylbenzene	ND	0.049		mg/Kg	1	4/4/2020 9:22:01 AM
Xylenes, Total	ND	0.099		mg/Kg	1	4/4/2020 9:22:01 AM
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	4/4/2020 9:22:01 AM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/2/2020 2:43:37 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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Todd 26 G Federal 1

2003C65-004

Project:

Lab ID:

Analytical Report Lab Order 2003C65

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/6/2020 Client Sample ID: BS20-04 0' Collection Date: 3/27/2020 9:55:00 AM

Received Date: 3/28/2020 8:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	Analyst: BRM				
Diesel Range Organics (DRO)	210	9.9	mg/Kg	1	4/2/2020 2:33:00 AM
Motor Oil Range Organics (MRO)	330	50	mg/Kg	1	4/2/2020 2:33:00 AM
Surr: DNOP	104	55.1-146	%Rec	1	4/2/2020 2:33:00 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/4/2020 9:45:48 AM
Surr: BFB	100	66.6-105	%Rec	1	4/4/2020 9:45:48 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.025	mg/Kg	1	4/4/2020 9:45:48 AM
Toluene	ND	0.049	mg/Kg	1	4/4/2020 9:45:48 AM
Ethylbenzene	ND	0.049	mg/Kg	1	4/4/2020 9:45:48 AM
Xylenes, Total	ND	0.099	mg/Kg	1	4/4/2020 9:45:48 AM
Surr: 4-Bromofluorobenzene	104	80-120	%Rec	1	4/4/2020 9:45:48 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	4/2/2020 2:55:58 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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Todd 26 G Federal 1

2003C65-005

Project:

Lab ID:

Analytical Report Lab Order 2003C65

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/6/2020 Client Sample ID: BS20-05 0' Collection Date: 3/27/2020 10:00:00 AM

Received Date: 3/28/2020 8:15:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: BRM
Diesel Range Organics (DRO)	130	9.3	mg/Kg	1	4/2/2020 2:57:27 AM
Motor Oil Range Organics (MRO)	220	46	mg/Kg	1	4/2/2020 2:57:27 AM
Surr: DNOP	95.2	55.1-146	%Rec	1	4/2/2020 2:57:27 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/4/2020 10:09:34 AM
Surr: BFB	97.1	66.6-105	%Rec	1	4/4/2020 10:09:34 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.025	mg/Kg	1	4/4/2020 10:09:34 AM
Toluene	ND	0.050	mg/Kg	1	4/4/2020 10:09:34 AM
Ethylbenzene	ND	0.050	mg/Kg	1	4/4/2020 10:09:34 AM
Xylenes, Total	ND	0.10	mg/Kg	1	4/4/2020 10:09:34 AM
Surr: 4-Bromofluorobenzene	102	80-120	%Rec	1	4/4/2020 10:09:34 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	4/2/2020 3:08:18 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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Todd 26 G Federal 1

Project:

Analytical Report Lab Order 2003C65

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/6/2020 Client Sample ID: BS20-06 0' Collection Date: 3/27/2020 10:05:00 AM Received Date: 3/28/2020 8:15:00 AM

Lab ID: 2003C65-006	Matrix: SOIL	Received Date: 3/28/2020 8:15:00 AM					
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst: BRM	
Diesel Range Organics (DRO)	210	96		mg/Kg	10	4/2/2020 3:21:46 AM	
Motor Oil Range Organics (MRO)	550	480		mg/Kg	10	4/2/2020 3:21:46 AM	
Surr: DNOP	0	55.1-146	S	%Rec	10	4/2/2020 3:21:46 AM	
EPA METHOD 8015D: GASOLINE RANG	GE					Analyst: RAA	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/4/2020 10:33:16 AM	
Surr: BFB	98.0	66.6-105		%Rec	1	4/4/2020 10:33:16 AM	
EPA METHOD 8021B: VOLATILES						Analyst: RAA	
Benzene	ND	0.025		mg/Kg	1	4/4/2020 10:33:16 AM	
Toluene	ND	0.049		mg/Kg	1	4/4/2020 10:33:16 AM	
Ethylbenzene	ND	0.049		mg/Kg	1	4/4/2020 10:33:16 AM	
Xylenes, Total	ND	0.099		mg/Kg	1	4/4/2020 10:33:16 AM	
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	4/4/2020 10:33:16 AM	
EPA METHOD 300.0: ANIONS						Analyst: JMT	
Chloride	ND	59		mg/Kg	20	4/2/2020 3:45:21 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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Todd 26 G Federal 1

2003C65-007

Project:

Lab ID:

Analytical Report Lab Order 2003C65

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/6/2020 Client Sample ID: BS20-07 0' Collection Date: 3/27/2020 10:10:00 AM

Received Date: 3/28/2020 8:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	4/2/2020 3:46:08 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/2/2020 3:46:08 AM
Surr: DNOP	91.5	55.1-146	%Rec	1	4/2/2020 3:46:08 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/4/2020 10:57:01 AM
Surr: BFB	101	66.6-105	%Rec	1	4/4/2020 10:57:01 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.025	mg/Kg	1	4/4/2020 10:57:01 AM
Toluene	ND	0.049	mg/Kg	1	4/4/2020 10:57:01 AM
Ethylbenzene	ND	0.049	mg/Kg	1	4/4/2020 10:57:01 AM
Xylenes, Total	ND	0.099	mg/Kg	1	4/4/2020 10:57:01 AM
Surr: 4-Bromofluorobenzene	102	80-120	%Rec	1	4/4/2020 10:57:01 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	4/2/2020 3:57:41 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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Todd 26 G Federal 1

2003C65-008

Project:

Lab ID:

Analytical Report Lab Order 2003C65

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/6/2020 Client Sample ID: BS20-08 0' Collection Date: 3/27/2020 10:15:00 AM

Received Date: 3/28/2020 8:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	4/2/2020 4:10:16 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/2/2020 4:10:16 AM
Surr: DNOP	89.2	55.1-146	%Rec	1	4/2/2020 4:10:16 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/4/2020 11:20:50 AM
Surr: BFB	101	66.6-105	%Rec	1	4/4/2020 11:20:50 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.025	mg/Kg	1	4/4/2020 11:20:50 AM
Toluene	ND	0.049	mg/Kg	1	4/4/2020 11:20:50 AM
Ethylbenzene	ND	0.049	mg/Kg	1	4/4/2020 11:20:50 AM
Xylenes, Total	ND	0.098	mg/Kg	1	4/4/2020 11:20:50 AM
Surr: 4-Bromofluorobenzene	104	80-120	%Rec	1	4/4/2020 11:20:50 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	4/2/2020 4:10:02 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 26 G Federal 1

Analytical Report Lab Order 2003C65

Date Reported: 4/6/2020

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BS20-09 Collection Date: 3/27/2020 10:20:00 AM Dessived Data: 2/28/2020 8.15.00 AM

Lab ID: 2003C65-009	Matrix: SOIL	Received Date: 3/28/2020 8:15:00 AM					
Analyses	Result	RL Qua	al Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: BRM		
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	4/2/2020 4:34:31 AM		
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/2/2020 4:34:31 AM		
Surr: DNOP	99.3	55.1-146	%Rec	1	4/2/2020 4:34:31 AM		
EPA METHOD 8015D: GASOLINE RANGI	E				Analyst: RAA		
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/4/2020 11:44:21 AM		
Surr: BFB	99.9	66.6-105	%Rec	1	4/4/2020 11:44:21 AM		
EPA METHOD 8021B: VOLATILES					Analyst: RAA		
Benzene	ND	0.025	mg/Kg	1	4/4/2020 11:44:21 AM		
Toluene	ND	0.050	mg/Kg	1	4/4/2020 11:44:21 AM		
Ethylbenzene	ND	0.050	mg/Kg	1	4/4/2020 11:44:21 AM		
Xylenes, Total	ND	0.099	mg/Kg	1	4/4/2020 11:44:21 AM		
Surr: 4-Bromofluorobenzene	105	80-120	%Rec	1	4/4/2020 11:44:21 AM		
EPA METHOD 300.0: ANIONS					Analyst: JMT		
Chloride	ND	60	mg/Kg	20	4/2/2020 4:22:23 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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Todd 26 G Federal 1

Project:

Analytical Report Lab Order 2003C65

Date Reported: 4/6/2020

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BS20-10 Collection Date: 3/27/2020 10:25:00 AM Received Date: 3/28/2020 8:15:00 AM

Lab ID: 2003C65-010	Matrix: SOIL	Received Date: 3/28/2020 8:15:00 AM						
Analyses	Result	RL Qua	l Units	DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL RANGE (ORGANICS				Analyst: BRM			
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	4/2/2020 4:58:44 AM			
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/2/2020 4:58:44 AM			
Surr: DNOP	104	55.1-146	%Rec	1	4/2/2020 4:58:44 AM			
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA			
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/4/2020 12:07:52 PM			
Surr: BFB	102	66.6-105	%Rec	1	4/4/2020 12:07:52 PM			
EPA METHOD 8021B: VOLATILES					Analyst: RAA			
Benzene	ND	0.025	mg/Kg	1	4/4/2020 12:07:52 PM			
Toluene	ND	0.050	mg/Kg	1	4/4/2020 12:07:52 PM			
Ethylbenzene	ND	0.050	mg/Kg	1	4/4/2020 12:07:52 PM			
Xylenes, Total	ND	0.099	mg/Kg	1	4/4/2020 12:07:52 PM			
Surr: 4-Bromofluorobenzene	107	80-120	%Rec	1	4/4/2020 12:07:52 PM			
EPA METHOD 300.0: ANIONS					Analyst: JMT			
Chloride	ND	60	mg/Kg	20	4/2/2020 4:34:44 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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Todd 26 G Federal 1

2003C65-011

Project:

Lab ID:

Analytical Report Lab Order 2003C65

Date Reported: 4/6/2020

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BS20-11 Collection Date: 3/27/2020 10:30:00 AM Matrix: SOIL Received Date: 3/28/2020 8:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE C	RGANICS				Analyst: BRM
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	4/2/2020 5:23:03 AM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	4/2/2020 5:23:03 AM
Surr: DNOP	90.8	55.1-146	%Rec	1	4/2/2020 5:23:03 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/4/2020 8:52:24 PM
Surr: BFB	101	66.6-105	%Rec	1	4/4/2020 8:52:24 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	4/4/2020 8:52:24 PM
Toluene	ND	0.049	mg/Kg	1	4/4/2020 8:52:24 PM
Ethylbenzene	ND	0.049	mg/Kg	1	4/4/2020 8:52:24 PM
Xylenes, Total	ND	0.099	mg/Kg	1	4/4/2020 8:52:24 PM
Surr: 4-Bromofluorobenzene	103	80-120	%Rec	1	4/4/2020 8:52:24 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	61	mg/Kg	20	4/2/2020 4:47:05 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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Todd 26 G Federal 1

2003C65-012

Project:

Lab ID:

Analytical Report Lab Order 2003C65

Date Reported: 4/6/2020

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BS20-12 Collection Date: 3/27/2020 10:35:00 AM Matrix: SOIL Received Date: 3/28/2020 8:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: BRM
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	4/2/2020 5:47:09 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/2/2020 5:47:09 AM
Surr: DNOP	92.3	55.1-146	%Rec	1	4/2/2020 5:47:09 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/4/2020 9:16:09 PM
Surr: BFB	98.3	66.6-105	%Rec	1	4/4/2020 9:16:09 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	4/4/2020 9:16:09 PM
Toluene	ND	0.050	mg/Kg	1	4/4/2020 9:16:09 PM
Ethylbenzene	ND	0.050	mg/Kg	1	4/4/2020 9:16:09 PM
Xylenes, Total	ND	0.099	mg/Kg	1	4/4/2020 9:16:09 PM
Surr: 4-Bromofluorobenzene	99.8	80-120	%Rec	1	4/4/2020 9:16:09 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	4/2/2020 5:24:08 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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Client:	Devon Energy									
Project:	Todd 26 G Federa	11								
Sample ID: MB-	51520 Sam	Type: mb	lk	Test	Code: EF	PA Method	300.0: Anions	5		
Client ID: PBS	Bat	ch ID: 515	520	R	RunNo: 67778					
Prep Date: 4/2	/2020 Analysis	Date: 4/2	2/2020	S	eqNo: 2	342072	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	-51520 Sam	SampType: Ics TestCode: EPA Method 300.0: Anions								
Client ID: LCS	S Bat	ch ID: 515	520	R	unNo: 67					
Prep Date: 4/2	/2020 Analysis	Date: 4/2	2/2020	SeqNo: 2342073			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.7	90	110			
Sample ID: MB-	51509 Samı	Type: mb	lk	Test	Code: EF	PA Method	300.0: Anions	6		
Client ID: PBS	Bat	ch ID: 515	509	R	unNo: 67	7778				
Prep Date: 4/2	/2020 Analysis	Date: 4/2	2/2020	S	eqNo: 2	342104	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	-51509 Sam	Type: Ics		Test	Code: EF	PA Method	300.0: Anions	5		
Client ID: LCS	S Bat	ch ID: 515	509	R	unNo: 67	7778				
Prep Date: 4/2	/2020 Analysis	Date: 4/2	2/2020	S	eqNo: 2	342105	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	92.2	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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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	n Energy 26 G Federal 1	
Sample ID: LCS-51419	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 51419	RunNo: 67718
Prep Date: 3/30/2020	Analysis Date: 3/31/2020	SeqNo: 2339279 Units: %Rec
		•
Analyte Surr: DNOP	Result PQL SPK value 3.8 5.000	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 75.9 55.1 146
	0.0 0.000	
Sample ID: MB-51419	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 51419	RunNo: 67718
Prep Date: 3/30/2020	Analysis Date: 3/31/2020	SeqNo: 2339280 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	9.5 10.00	95.3 55.1 146
Sample ID: MB-51432	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 51432	RunNo: 67718
Prep Date: 3/31/2020	Analysis Date: 4/2/2020	SeqNo: 2340291 Units: %Rec
Analyte Surr: DNOP	Result PQL SPK value 9.6 10.00	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 95.7 55.1 146
Sample ID: 2003C65-001A		TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: BS20-01 0'	Batch ID: 51433	RunNo: 67718
Prep Date: 3/31/2020	Analysis Date: 4/2/2020	SeqNo: 2340660 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	130 9.8 48.88	
Surr: DNOP	4.4 4.888	90.2 55.1 146
Sample ID: 2003C65-001A	MSD SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: BS20-01 0'	Batch ID: 51433	RunNo: 67718
Prep Date: 3/31/2020	Analysis Date: 4/2/2020	SeqNo: 2340661 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	130 9.8 49.02	5
Surr: DNOP	4.5 4.902	90.9 55.1 146 0 0
Sample ID: LCS-51433	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS	Batch	ID: 51 4	433	F	RunNo: 6	7718					
Prep Date: 3/31/2020	SeqNo: 2340681 Units: m				/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	50	10	50.00	0	100	70	130				
Surr: DNOP	4.6		5.000		91.9	55.1	146				

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

2003C65

06-Apr-20

	Devon Energy									
Project:	Todd 26 G Federa	11								
Sample ID: MB-514	33 Samp	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Rang	e Organics		
Client ID: PBS	Bate	ch ID: 51	433	F	RunNo: 67	7718				
Prep Date: 3/31/20	020 Analysis	Date: 4	/1/2020	5	SeqNo: 2	340683	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (D	,	10								
Motor Oil Range Organics	(MRO) ND	50								
Surr: DNOP	9.9		10.00		98.6	55.1	146			
Sample ID: LCS-51	460 Samp	Type: LC	s	Tes	8015M/D: Die	sel Range	e Organics			
Client ID: LCSS	Bate	ch ID: 51	460	RunNo: 67718						
Prep Date: 3/31/20	020 Analysis	Date: 4	/2/2020	S	SeqNo: 2	341419	Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.0		5.000		100	55.1	146			
Sample ID: MB-514	60 Samp	Type: M	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID: PBS	Bate	ch ID: 51	460	F	RunNo: 67	7718				
Prep Date: 3/31/20	Analysis	Date: 4	/2/2020	S	SeqNo: 2	341420	Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		113	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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WO#:	2003C65

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Client:	Devon Er										
Project:	Todd 26	G Federal 1									
Sample ID:	2.5ug gro Ics	SampTyp	be: LC	s	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	LCSS	Batch I	D: G	67819	F	RunNo: 67819					
Prep Date:		Analysis Dat	e: 4/	3/2020	S	SeqNo: 23	342508	Units: %Rec	:		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		1100		1000		110	66.6	105			S
Sample ID:	mb	SampTyp	e: MI	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	PBS	Batch I	D: G6	57819	F	RunNo: 67	7819				
Prep Date:		Analysis Dat	e: 4/	3/2020	5	SeqNo: 23	342518	Units: %Rec	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		1100		1000		109	66.6	105			S
Sample ID: 2003c65-002ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range											
Client ID:	BS20-02 0'	Batch I	426	F	RunNo: 67819						
Prep Date:	3/30/2020	Analysis Dat	e: 4/	4/2020	S	SeqNo: 23	343506	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	22	5.0	24.90	0	87.0	69.1	142			
Surr: BFB		1100		996.0		111	66.6	105			S
Sample ID:	2003c65-002amsd	I SampTyp	e: MS	SD	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	BS20-02 0'	Batch I	D: 51	426	RunNo: 67819						
Prep Date:	3/30/2020	Analysis Dat	e: 4/	4/2020	5	SeqNo: 23	343507	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	22	5.0	24.75	0	87.5	69.1	142	0.0461	20	•
Surr: BFB		1100		990.1		111	66.6	105	0	0	S
Sample ID:	lcs-51420	SampTyp	be: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	LCSS	Batch I	D: 51	420	F	RunNo: 67	7819				
Prep Date:	3/30/2020	Analysis Dat	e: 4/	3/2020	5	SeqNo: 23	343527	Units: %Rec	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		1100		1000		109	66.6	105			S
Sample ID:	mb-51420	SampTyp	e: MI	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	PBS	Batch I	D: 51	420	F	RunNo: 67	7819				
Prep Date:	3/30/2020	Analysis Dat	e: 4/	3/2020	5	SeqNo: 23	343529	Units: %Rec	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		990		1000		98.6	66.6	105			

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

Client:	Devon En	ergy										
Project:	Todd 26 C	G Federal	1									
Sample ID: mb	-51426	SampT	ype: ME	BLK	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PB	s	Batch	n ID: 51	426	F	RunNo: 67819						
Prep Date: 3/3	30/2020	Analysis D	ate: 4/	4/2020	S	SeqNo: 2	343530	Units: mg/Kg	J			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Org	ganics (GRO)	ND	5.0									
Surr: BFB		1000		1000		101	66.6	105				
Sample ID: Ics-	-51426	SampType: LCS TestCode: EPA Method 8015D: Gasoline Range										
Client ID: LCS	SS	Batch ID: 51426				RunNo: 67872						
Prep Date: 3/3	30/2020	Analysis D	ate: 4/	4/2020	S	SeqNo: 2	344486	Units: mg/Kg	J			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Org	ganics (GRO)	24	5.0	25.00	0	95.2	80	120				
Surr: BFB		1100		1000		107	66.6	105			S	
Sample ID: mb	-51471	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Gasol	ine Rang	e		
Client ID: PB	S	Batch	n ID: 51	471	F	RunNo: 6	7872					
Prep Date: 4/	1/2020	Analysis D	ate: 4/	5/2020	S	SeqNo: 2	344497	Units: %Rec				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: BFB		950		1000		95.1	66.6	105				
Sample ID: Ics-	-51471	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gasol	ine Rang	e		
Client ID: LCS	SS	Batch	1D: 51	471	F	RunNo: 6	7872					
Prep Date: 4/	1/2020	Analysis D	ate: 4/	5/2020	S	SeqNo: 2	344498	Units: %Rec				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: BFB		1100		1000		107	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

2003C65

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WO#:	2003C65

06-Apr-20

Client: Project:	Devon Ene Todd 26 C	•••	1								
Sample ID: 100ng	btex lcs	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: LCSS		Batch	ID: R6	7819	F	RunNo: 67	7819				
Prep Date:		Analysis D	ate: 4/	3/2020	5	SeqNo: 23	342520	Units: %Red	C		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorob	enzene	1.1		1.000		108	80	120			
Sample ID: mb		SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: PBS		Batch	ID: R6	7819	F	RunNo: 67	7819				
Prep Date:		Analysis D	ate: 4/	3/2020	S	SeqNo: 23	342530	Units: %Red	C		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorob	enzene	1.1		1.000		114	80	120			
Sample ID: 2003c	65-001ams	SampT	ype: MS	6	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: BS20-	01 0'	Batch	ID: 51	426	F	RunNo: 67	7819				
Prep Date: 3/30/	2020	Analysis D	ate: 4/	4/2020	S	SeqNo: 2	343554	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.86	0.025	1.000	0	86.1	78.5	119			
oluene		0.90	0.050	1.000	0	90.2	75.7	123			
Ethylbenzene		0.92 2.8	0.050	1.000	0	92.3	74.3 72.9	126			
ylenes, Total Surr: 4-Bromofluorob	007000	2.0 1.1	0.10	3.000 1.000	0	93.2 109	80	130 120			
Sample ID: 2003c			ype: MS					8021B: Volat	iles		
Client ID: BS20-			ID: 51			RunNo: 67					
Prep Date: 3/30/	2020	Analysis D	ate: 4/	4/2020		SeqNo: 23	343555	Units: mg/K	g		
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
enzene		0.88	0.024	0.9747	0	90.7	78.5	119	2.58	20	
oluene		0.90	0.049	0.9747	0	92.3	75.7	123	0.277	20	
thylbenzene		0.92	0.049	0.9747	0	94.1	74.3	126	0.710	20	
(ylenes, Total		2.8	0.097	2.924	0	95.0	72.9	130	0.704	20	
Surr: 4-Bromofluorob	enzene	1.0		0.9747		104	80	120	0	0	
Sample ID: LCS-5	1420	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8021B: Volat	iles		
		Batch	ID: 51	420	F	RunNo: 67	7819				
Client ID: LCSS					~		49576	Units: %Red	•		
Prep Date: 3/30/	2020	Analysis D	ate: 4/	3/2020	2	SeqNo: 23	543576		نا		
	2020	Analysis D Result	ate: 4/ PQL		SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual

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

3C65

06-Apr-20

Client:Devon EProject:Todd 26	nergy G Federal 1								
Sample ID: LCS-51426	SampType: L	cs	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batch ID: 5	1426	F	RunNo: 67	7819				
Prep Date: 3/30/2020	Analysis Date:	1/4/2020	S	SeqNo: 23	343577	Units: mg/Kg	9		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86 0.025	5 1.000	0	86.4	80	120			
Toluene	0.87 0.050	1.000	0	87.4	80	120			
Ethylbenzene	0.89 0.050	1.000	0	88.8	80	120			
Xylenes, Total	2.7 0.10	3.000	0	89.2	80	120			
Surr: 4-Bromofluorobenzene	1.0	1.000		103	80	120			
Sample ID: mb-51420	SampType: N	IBLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batch ID: 5	1420	F	RunNo: 67	7819				
Prep Date: 3/30/2020	Analysis Date:	1/3/2020	S	SeqNo: 23	343578	Units: %Rec			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0	1.000		103	80	120			
Sample ID: mb-51426	SampType: N	IBLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batch ID: 5	1426	F	RunNo: 67	7819				
Prep Date: 3/30/2020	Analysis Date:	1/4/2020	S	SeqNo: 23	343579	Units: mg/Kg	9		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND 0.025	5							
Toluene	ND 0.050)							
Ethylbenzene	ND 0.050)							
Xylenes, Total	ND 0.10)							
Surr: 4-Bromofluorobenzene	1.1	1.000		106	80	120			
Sample ID: mb-51471	SampType: N	IBLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batch ID: 5	1471	F	RunNo: 67	7872				
Prep Date: 4/1/2020	Analysis Date:	4/5/2020	S	SeqNo: 23	344549	Units: %Rec			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.98	1.000		97.9	80	120			
Sample ID: LCS-51471	SampType: L	cs	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batch ID: 5	1471	F	RunNo: 67	7872				
Prep Date: 4/1/2020	Analysis Date:	1/5/2020	S	SeqNo: 23	344550	Units: %Rec			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.99	1.000		99.1	80	120			

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 75 of 87	Pag	e	75	of	87	
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HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Alb. TEL: 505-345-3975 Website: www.hc	490 uquerq 5 FAX:	1 Hawkins NE ue, NM 87109 505-345-4107	San	P nple Log-In Check List
Client Name: DEVON ENERGY	Work Order Number	: 200	3C65		RcptNo: 1
Received By: Erin Melendrez	3/28/2020 8:15:00 AM		U	LUA	
	3/28/2020 3:22:34 PM		1	LUA	
Reviewed By: JR 3/30/20				4.1	
Chain of Custody					
1. Is Chain of Custody sufficiently complete?		Yes		No 🗌	Not Present
2. How was the sample delivered?		Cou	rier		
Log In 3. Was an attempt made to cool the samples?		Yes		No 🗌	
4. Were all samples received at a temperature of	⁵ >0° C to 6.0°C	Yes	~	No 🗌	
5. Sample(s) in proper container(s)?		Yes		No 🗌	
6. Sufficient sample volume for indicated test(s)?		Yes	~	No 🗌	
7. Are samples (except VOA and ONG) properly	preserved?	Yes	~	No 🗌	
8. Was preservative added to bottles?		Yes		No 🗹	NA 🛄
9. Received at least 1 vial with headspace <1/4"	for AQ VOA?	Yes		No 🗌	NA 🗹
10. Were any sample containers received broken'	2	Yes		No 🗹	# of preserved bottles checked
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	V	No 🗌	for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of C	ustody?	Yes	v	No 🗌	Adjusted?
13. Is it clear what analyses were requested?		Yes		No 🗌	(
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes	✓	No 🛄	Checked by: DAD 3/30/7
Special Handling (if applicable)					
15. Was client notified of all discrepancies with th	is order?	Yes		No 🗌	NA 🗹
Person Notified:	Date:				
By Whom:	Via: [eM	ail 🗌 Phor	ne 🗌 Fax	In Person
Regarding:					
Client Instructions:					
16. Additional remarks:					
17. Cooler Information Cooler No Temp °C Condition Sea 1 2.7 Good 2 5.0 Good	al Intact Seal No	Seal D	ate Sig	gned By	

Page 1 of 1

	RY																										Gordon	20843303 20843203
VTRO		(1)	Albuquerque, NM 87109	x 505-345-4107	Analysis Request	(ju	əsdA	4u:	_	100	D∕\-	imə	V) 032 270 (S 01al Co	8													C: Netelia	
		www.hallenvironmental.com	1)75 Fax	Analysi	[†] O9	S '*O¢	Ч ^к	ZON	_	ON	r, 1	8 AAD	2 2		7	١	7	7	2	}	7	>	>	2	2	0	+ 0/~
HALL	AN	www	wkins N	505-345-3975			SMIS	504		_	1.11		M) 80 d sHA	1.0	+												11.)
	1		4901 Hawkins NE	Tel. 505			342.54		2808	3/S	əpi	oite	08:H9 99 180	8	+	_		~		1		~	~	/		~	Remarks:	USNO
	Л		_				208)				12.5			1-	,))	>)	>)	>	2	7	2	1	5	-	-
Turn-Around Time: 5 Day 7	Standard D Rush	ā	1000 ale of teducal	11	206-0011	Project Manager:	Natelli Gordin	1	Er MAP	On Ice: 🛛 Yes 🗆 No	# of Coolers: 2	Cooler Temp(including CF): 2 9-0 2 (CF) = 2 '7 (°C)			5- 50	200- 1	-003	h9 0-	500-	-006	L00-	× -005	-009	210-	110-	210- 7 1	Received by, Viar Date Time &	Received by: Via Winer Date Time
p		SM	1mH	-			V	dation)						10	2	0	0	, o	, O	10	0	10						1
Chain-of-Custody Record		is (Wes Methews	80	88210	-			Level 4 (Full Validation)	Az Compliance	Other				IX Sample Name		R520-02	852 0-03	BS20-04	3530-05	20-0e28	R5-00-07	(B520-08	3520-09	8220-10	85 30-11	8530-12	Relinquished by:	Relinquished by: CMMPP Lan
ain-of-	Devon	Amanda Davis	Mailing Address: 6488	Ditesia, NM	Phone #: ON Fi	ax#:	ckage:	IIG	:u		Type)				_	54:45	9.50	55:6	0:06	10:05	10,10	10:15	10:20	0.25	10:30	1.35 W	Time: Relin	Time: Relin
Ch	Client:	Amanc	Mailing Ac	Ditesi	Phone #:	email or Fax#:			Accreditation:	D NELAC	□ EDD (Type)			J/m q	21	σ	5	6	10	1 10	1	1	1	01		0 1.	Date: Tir 36	Date: Tir

leased to Imaging: 4/19/2021 12:13:12 PM



May 26, 2020

Natalie Gordon Vertex Resource Group Ltd. 3101 Boyd Drive Carlsbad, NM 88220 TEL: (505) 506-0040 FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

RE: Todd 26 6 Fed 1

OrderNo.: 2005807

Dear Natalie Gordon:

Hall Environmental Analysis Laboratory received 3 sample(s) on 5/19/2020 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:

Lab ID:

CLIENT: Vertex Resource Group Ltd.

Todd 26 6 Fed 1

2005807-001

Analytical Report Lab Order 2005807

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/26/2020 Client Sample ID: BS20-03 0.0' Collection Date: 5/18/2020 11:00:00 AM

Received Date: 5/19/2020 9:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: CLP
Diesel Range Organics (DRO)	ND	8.6	mg/Kg	1	5/21/2020 4:57:29 PM
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	5/21/2020 4:57:29 PM
Surr: DNOP	109	55.1-146	%Rec	1	5/21/2020 4:57:29 PM
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	ND	59	mg/Kg	20	5/23/2020 9:25:50 PM
EPA METHOD 8260B: VOLATILES SHORT I	list				Analyst: DJF
Benzene	ND	0.024	mg/Kg	1	5/21/2020 8:43:38 PM
Toluene	ND	0.047	mg/Kg	1	5/21/2020 8:43:38 PM
Ethylbenzene	ND	0.047	mg/Kg	1	5/21/2020 8:43:38 PM
Xylenes, Total	ND	0.094	mg/Kg	1	5/21/2020 8:43:38 PM
Surr: 1,2-Dichloroethane-d4	96.3	70-130	%Rec	1	5/21/2020 8:43:38 PM
Surr: 4-Bromofluorobenzene	96.3	70-130	%Rec	1	5/21/2020 8:43:38 PM
Surr: Dibromofluoromethane	98.8	70-130	%Rec	1	5/21/2020 8:43:38 PM
Surr: Toluene-d8	101	70-130	%Rec	1	5/21/2020 8:43:38 PM
EPA METHOD 8015D MOD: GASOLINE RAN	IGE				Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	5/21/2020 8:43:38 PM
Surr: BFB	102	70-130	%Rec	1	5/21/2020 8:43:38 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

Page 1 of 7

Project:

Lab ID:

CLIENT: Vertex Resource Group Ltd.

Todd 26 6 Fed 1

2005807-002

Analytical Report Lab Order 2005807

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/26/2020
Client Sample ID: WS20-01 0.0'
Collection Date: 5/18/2020 11:20:00 AM

Received Date: 5/19/2020 9:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst: CLP
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	5/21/2020 5:21:43 PM
Motor Oil Range Organics (MRO)	61	50	mg/Kg	1	5/21/2020 5:21:43 PM
Surr: DNOP	121	55.1-146	%Rec	1	5/21/2020 5:21:43 PM
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	ND	60	mg/Kg	20	5/23/2020 9:38:15 PM
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst: DJF
Benzene	ND	0.024	mg/Kg	1	5/21/2020 9:13:36 PM
Toluene	ND	0.047	mg/Kg	1	5/21/2020 9:13:36 PM
Ethylbenzene	ND	0.047	mg/Kg	1	5/21/2020 9:13:36 PM
Xylenes, Total	ND	0.094	mg/Kg	1	5/21/2020 9:13:36 PM
Surr: 1,2-Dichloroethane-d4	92.8	70-130	%Rec	1	5/21/2020 9:13:36 PM
Surr: 4-Bromofluorobenzene	94.1	70-130	%Rec	1	5/21/2020 9:13:36 PM
Surr: Dibromofluoromethane	94.0	70-130	%Rec	1	5/21/2020 9:13:36 PM
Surr: Toluene-d8	101	70-130	%Rec	1	5/21/2020 9:13:36 PM
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	5/21/2020 9:13:36 PM
Surr: BFB	102	70-130	%Rec	1	5/21/2020 9:13:36 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
- B 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 2 of 7

Project:

CLIENT: Vertex Resource Group Ltd.

Todd 26 6 Fed 1

Analytical Report
Lab Order 2005807

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/26/2020 Client Sample ID: WS20-02 0.0' Collection Date: 5/18/2020 11:30:00 AM

Lab ID: 2005807-003 Matrix: SOIL Received Date: 5/19/2020 9:30:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: CLP Diesel Range Organics (DRO) 12 9.8 mg/Kg 1 5/21/2020 5:46:12 PM Motor Oil Range Organics (MRO) 53 49 mg/Kg 1 5/21/2020 5:46:12 PM Surr: DNOP 114 55.1-146 %Rec 1 5/21/2020 5:46:12 PM **EPA METHOD 300.0: ANIONS** Analyst: MRA Chloride 5/23/2020 9:50:40 PM 110 60 mg/Kg 20 **EPA METHOD 8260B: VOLATILES SHORT LIST** Analyst: DJF Benzene ND 0.024 mg/Kg 5/21/2020 9:43:05 PM 1 Toluene ND 0.049 mg/Kg 5/21/2020 9:43:05 PM 1 Ethvlbenzene ND 0.049 mg/Kg 1 5/21/2020 9:43:05 PM Xylenes, Total ND 0.097 mg/Kg 1 5/21/2020 9:43:05 PM Surr: 1.2-Dichloroethane-d4 93.8 70-130 %Rec 1 5/21/2020 9:43:05 PM Surr: 4-Bromofluorobenzene 93.6 70-130 %Rec 1 5/21/2020 9:43:05 PM Surr: Dibromofluoromethane 92.6 70-130 %Rec 1 5/21/2020 9:43:05 PM Surr: Toluene-d8 102 70-130 %Rec 1 5/21/2020 9:43:05 PM **EPA METHOD 8015D MOD: GASOLINE RANGE** Analyst: DJF Gasoline Range Organics (GRO) ND 5/21/2020 9:43:05 PM 49 mg/Kg 1 Surr: BFB 102 70-130 %Rec 1 5/21/2020 9:43:05 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 MatrixH 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 3 of 7

Client: Project:		x Resource Gro 26 6 Fed 1	oup Lto	1.							
Sample ID:	MB-52667	SampTy	/pe: mb	olk	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	ID: 52	667	F	RunNo: 6 9	9127				
Prep Date:	5/23/2020	Analysis Da	ate: 5/	23/2020	S	SeqNo: 23	395515	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-52667	SampTy	/pe: Ics	5	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	ID: 52	667	F	RunNo: 6 9	9127				
Prep Date:	5/23/2020	Analysis Da	ate: 5/	23/2020	S	SeqNo: 23	395516	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	93.9	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

Page 4 of 7

2005807

26-May-20

WO#:

	Resource Group Lto 5 6 Fed 1	1.							
Sample ID: MB-52627	SampType: ME	BLK	Test	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch ID: 52	627	R	RunNo: 6 9	9068				
Prep Date: 5/21/2020	Analysis Date: 5/	21/2020	S	SeqNo: 23	392013	Units: %Rec	;		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.7	10.00		96.8	55.1	146			
Sample ID: LCS-52627	SampType: LC	S	Test	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch ID: 52	627	R	RunNo: 6 9	9068				
Prep Date: 5/21/2020	Analysis Date: 5/	21/2020	S	SeqNo: 23	392014	Units: %Rec	;		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.5	5.000		90.5	55.1	146			
Sample ID: MB-52598	SampType: ME	BLK	Test	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch ID: 52	598	R	RunNo: 69	9068				
Prep Date: 5/20/2020	Analysis Date: 5/	22/2020	S	SeqNo: 23	392532	Units: %Rec	;		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11	10.00		107	55.1	146			
Sample ID: MB-52605	SampType: ME	BLK	Test	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Sample ID: MB-52605 Client ID: PBS	SampType: ME Batch ID: 520			tCode: EF RunNo: 69		8015M/D: Die	esel Range	e Organics	
		605	R		9068	8015M/D: Die Units: mg/K	C	e Organics	
Client ID: PBS	Batch ID: 52	605 21/2020	R	RunNo: 6 9 SeqNo: 2 3	9068		C	e Organics RPDLimit	Qual
Client ID: PBS Prep Date: 5/20/2020 Analyte Diesel Range Organics (DRO)	Batch ID: 52 0 Analysis Date: 5 /3 Result PQL ND 10	605 21/2020	R	RunNo: 6 9 SeqNo: 2 3	9068 392533	Units: mg/K	g	-	Qual
Client ID: PBS Prep Date: 5/20/2020 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)	Batch ID: 52 Analysis Date: 5 Result PQL ND 10 ND 50	605 21/2020 SPK value	R	2unNo: 69 SeqNo: 23 %REC	9068 392533 LowLimit	Units: mg/K HighLimit	g	-	Qual
Client ID: PBS Prep Date: 5/20/2020 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	Batch ID: 52 Analysis Date: 5 Result PQL ND 10 ND 50 9.6	605 21/2020 SPK value 10.00	R SPK Ref Val	RunNo: 69 SeqNo: 23 %REC 95.9	2068 392533 LowLimit 55.1	Units: mg/K HighLimit 146	g %RPD	RPDLimit	Qual
Client ID: PBS Prep Date: 5/20/2020 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-52598	Batch ID: 520 Analysis Date: 5/ Result PQL ND 10 ND 50 9.6 SampType: LC	605 21/2020 SPK value 10.00 S	R SPK Ref Val Test	RunNo: 69 SeqNo: 23 %REC 95.9 tCode: EF	2068 392533 LowLimit 55.1 PA Method	Units: mg/K HighLimit	g %RPD	RPDLimit	Qual
Client ID: PBS Prep Date: 5/20/2020 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-52598 Client ID: LCSS	Batch ID: 520 Analysis Date: 5/ Result PQL ND 10 ND 50 9.6 SampType: LC Batch ID: 529	505 21/2020 SPK value 10.00 S 598	R SPK Ref Val Test R	RunNo: 69 SeqNo: 23 %REC 95.9 tCode: EF	2068 392533 LowLimit 55.1 24 Method 2068	Units: mg/K HighLimit 146 8015M/D: Die	g %RPD esel Range	RPDLimit	Qual
Client ID: PBS Prep Date: 5/20/2020 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-52598	Batch ID: 520 Analysis Date: 5/ Result PQL ND 10 ND 50 9.6 SampType: LC	605 21/2020 SPK value 10.00 S 598 22/2020	R SPK Ref Val Test R S	RunNo: 69 SeqNo: 23 %REC 95.9 tCode: EF RunNo: 69 SeqNo: 23	2068 392533 LowLimit 55.1 24 Method 2068 392534	Units: mg/K HighLimit 146	g %RPD esel Range	RPDLimit	Qual
Client ID: PBS Prep Date: 5/20/2020 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-52598 Client ID: LCSS Prep Date: 5/20/2020 Analyte	Batch ID: 520 Analysis Date: 5/ Result PQL ND 10 ND 50 9.6 SampType: LC Batch ID: 529 Analysis Date: 5/ Result PQL	505 21/2020 SPK value 10.00 S 598 22/2020 SPK value	R SPK Ref Val Test R	RunNo: 69 SeqNo: 23 %REC 95.9 tCode: EF RunNo: 69 SeqNo: 23 %REC	2068 392533 LowLimit 55.1 24 Method 2068 392534 LowLimit	Units: mg/K HighLimit 146 8015M/D: Die Units: %Rec HighLimit	g %RPD esel Range	RPDLimit	Qual
Client ID: PBS Prep Date: 5/20/2020 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-52598 Client ID: LCSS Prep Date: 5/20/2020 Analyte Surr: DNOP	Batch ID: 520 Analysis Date: 5/ Result PQL ND 10 ND 50 9.6 SampType: LC Batch ID: 529 Analysis Date: 5/	605 21/2020 SPK value 10.00 S 598 22/2020	R SPK Ref Val Test R SPK Ref Val	RunNo: 69 SeqNo: 23 %REC 95.9 tCode: EF RunNo: 69 SeqNo: 23 %REC 83.8	2068 392533 LowLimit 55.1 2A Method 2068 392534 LowLimit 55.1	Units: mg/K HighLimit 146 8015M/D: Die Units: %Rec HighLimit 146	g %RPD esel Range : %RPD	RPDLimit	
Client ID: PBS Prep Date: 5/20/2020 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-52598 Client ID: LCSS Prep Date: 5/20/2020 Analyte Surr: DNOP Sample ID: LCS-52605	Batch ID: 520 Analysis Date: 5/ Result PQL ND 10 ND 50 9.6 SampType: LC Batch ID: 529 Analysis Date: 5/ Result PQL 4.2 SampType: LC	505 21/2020 SPK value 10.00 S 598 22/2020 SPK value 5.000 S	R SPK Ref Val Test SPK Ref Val Test	RunNo: 69 SeqNo: 23 %REC 95.9 tCode: EF RunNo: 69 SeqNo: 23 %REC 83.8 tCode: EF	2068 392533 LowLimit 55.1 2A Method 2068 392534 LowLimit 55.1	Units: mg/K HighLimit 146 8015M/D: Die Units: %Rec HighLimit	g %RPD esel Range : %RPD	RPDLimit	
Client ID: PBS Prep Date: 5/20/2020 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-52598 Client ID: LCSS Prep Date: 5/20/2020 Analyte Surr: DNOP Sample ID: LCS-52605 Client ID: LCSS	Batch ID: 520 Analysis Date: 5/ Result PQL ND 10 ND 50 9.6 SampType: LC Batch ID: 520 Analysis Date: 5/ Result PQL 4.2 SampType: LC Batch ID: 520	505 21/2020 SPK value 10.00 S 598 22/2020 SPK value 5.000 S 505	R SPK Ref Val Test SPK Ref Val SPK Ref Val	RunNo: 69 SeqNo: 23 %REC 95.9 tCode: EF RunNo: 69 SeqNo: 23 %REC 83.8 tCode: EF	2068 392533 LowLimit 55.1 2A Method 2068 392534 LowLimit 55.1 2A Method 2068	Units: mg/K HighLimit 146 8015M/D: Die Units: %Rec HighLimit 146 8015M/D: Die	g %RPD esel Range %RPD esel Range	RPDLimit	
Client ID: PBS Prep Date: 5/20/2020 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-52598 Client ID: LCSS Prep Date: 5/20/2020 Analyte Surr: DNOP Sample ID: LCS-52605	Batch ID: 520 Analysis Date: 5/ Result PQL ND 10 ND 50 9.6 SampType: LC Batch ID: 529 Analysis Date: 5/ Result PQL 4.2 SampType: LC	505 21/2020 SPK value 10.00 S 598 22/2020 SPK value 5.000 S 505	R SPK Ref Val Test SPK Ref Val SPK Ref Val	RunNo: 69 SeqNo: 23 %REC 95.9 tCode: EF RunNo: 69 SeqNo: 23 %REC 83.8 tCode: EF	2068 392533 LowLimit 55.1 2A Method 2068 392534 LowLimit 55.1 2A Method 2068	Units: mg/K HighLimit 146 8015M/D: Die Units: %Rec HighLimit 146	g %RPD esel Range %RPD esel Range	RPDLimit	
Client ID: PBS Prep Date: 5/20/2020 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-52598 Client ID: LCSS Prep Date: 5/20/2020 Analyte Surr: DNOP Sample ID: LCS-52605 Client ID: LCSS Prep Date: 5/20/2020 Analyte	Batch ID: 520 Analysis Date: 5/ Result PQL ND 10 ND 50 9.6 SampType: LC Batch ID: 520 Analysis Date: 5/ Result PQL 4.2 SampType: LC Batch ID: 520 Analysis Date: 5/ Result PQL	505 21/2020 SPK value 10.00 S 598 22/2020 SPK value 5.000 S 505 21/2020 SPK value	R SPK Ref Val Test SPK Ref Val SPK Ref Val SPK Ref Val	RunNo: 69 SeqNo: 23 %REC 95.9 tCode: EF RunNo: 69 SeqNo: 23 %REC 83.8 tCode: EF RunNo: 69 SeqNo: 23 SeqNo: 23	2068 392533 LowLimit 55.1 24 Method 2068 392534 LowLimit 55.1 24 Method 2068 392535 LowLimit	Units: mg/K HighLimit 146 8015M/D: Die Units: %Rec HighLimit 146 8015M/D: Die Units: mg/K HighLimit	g %RPD esel Range %RPD esel Range	RPDLimit	
Client ID: PBS Prep Date: 5/20/2020 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: LCS-52598 Client ID: LCSS Prep Date: 5/20/2020 Analyte Surr: DNOP Sample ID: LCS-52605 Client ID: LCSS Prep Date: 5/20/2020	Batch ID: 524 Analysis Date: 5/ Result PQL ND 10 ND 50 9.6 SampType: LC Batch ID: 529 Analysis Date: 5/ Result PQL 4.2 SampType: LC Batch ID: 529 Analysis Date: 5/	505 21/2020 SPK value 10.00 S 598 22/2020 SPK value 5.000 S 505 21/2020	R SPK Ref Val Test SPK Ref Val Test R S	RunNo: 69 SeqNo: 23 %REC 95.9 tCode: EF RunNo: 69 SeqNo: 23 tCode: EF RunNo: 69 SeqNo: 23	2068 392533 LowLimit 55.1 24 Method 2068 392534 LowLimit 55.1 24 Method 2068 392535	Units: mg/K HighLimit 146 8015M/D: Die Units: %Rec HighLimit 146 8015M/D: Die Units: mg/K	g %RPD esel Range %RPD esel Range	RPDLimit	Qual

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

2005807

26-May-20

WO#:

Client: Verte	x Resource G	roup Lto	d.							
Project: Todd	26 6 Fed 1									
Sample ID: mb-52577	Samp	Type: ME	BLK	Tes	tCode: El	PA Method	8260B: Volat	tiles Short	List	
Client ID: PBS	Batc	h ID: 52	577	F	RunNo: 6	9081				
Prep Date: 5/19/2020	Analysis [Date: 5/	21/2020	S	SeqNo: 2	392357	Units: mg/H	٢g		
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: 1,2-Dichloroethane-d4	0.47		0.5000		93.5	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.5	70	130			
Surr: Dibromofluoromethane	0.48		0.5000		96.2	70	130			
Surr: Toluene-d8	0.50		0.5000		99.2	70	130			
Sample ID: LCS-52577	Samp	Type: LC	:S4	Tes	tCode: El	PA Method	8260B: Volat	tiles Short	List	
Client ID: BatchQC	Batc	h ID: 52	577	RunNo: 69081						
Prep Date: 5/19/2020	Analysis [Date: 5/	21/2020	S	SeqNo: 2	392358	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.9	80	120			
Toluene	1.1	0.050	1.000	0	106	80	120			
Ethylbenzene	1.1	0.050	1.000	0	107	80	120			
Xylenes, Total	3.2	0.10	3.000	0	106	80	120			
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		95.2	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.5000		93.0	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		94.4	70	130			
Surr: Toluene-d8	0.51		0.5000		102	70	130			

Qualifiers:

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- 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

- 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

2005807

26-May-20

WO#:

Reporting Limit

Client: Project:	Vertex F Todd 26	Resource Gr 6 Fed 1	oup Ltc	1.							
Sample ID: mb-52577 SampType: MBLK			TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS		Batch ID: 52577		RunNo: 69081							
Prep Date: 5/1	9/2020	Analysis D	ate: 5/2	21/2020	SeqNo: 2392372 Units: mg/Kg						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Orga Surr: BFB	anics (GRO)	ND 520	5.0	500.0		103	70	130			
Sample ID: LCS-52577 SampType: LCS TestCode: EPA Method 8015D Mod: Gasoline Range											
Client ID: LCSS Batch ID: 52577			RunNo: 69081								
Prep Date: 5/1	9/2020	Analysis D	ate: 5/2	21/2020	S	eqNo: 23	392377	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Orga Surr: BFB	anics (GRO)	24 520	5.0	25.00 500.0	0	95.7 104	70 70	130 130			

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

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26-May-20

WO#:

HALL ENVIRONMENTAL ANALYSIS LABORATORY		TEL: 505-345	Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com				Page			
Client Name:	VERTEX CARLSBAD	Work Order Num	nber: 200	5807			RcptNo: 1			
Received By:	Isaiah Ortiz	5/19/2020 9:30:00	АМ		I	-0	2×			
Completed By: Reviewed By:	Isaiah Ortiz AR	5/19/2020 10:32:3 5/19/2 J	1 AM		I	-0	24			
Chain of Cus	tody									
1. Is Chain of Cu	ustody complete?		Yes		No		Not Present			
2. How was the	sample delivered?		Cou	rier						
<u>Log In</u> 3. Was an attern	pt made to cool the samp	les?	Yes		No					
4. Were all samp	les 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 t	est(s)?	Yes		No					
7. Are samples (except VOA and ONG) pr	operly preserved?	Yes	\checkmark	No					
8. Was preservat	ive added to bottles?		Yes		No	\checkmark	NA 🗔			
9. Received at le	ast 1 vial with headspace	<1/4" for AQ VOA?	Yes		No		NA 🗹			
10. Were any san	ple containers received b	roken?	Yes		No					
	rk match bottle labels? ncies on chain of custody	A	Yes		No		# of preserved bottles checked for pH: (<2 or >12 unless noted)			
	orrectly identified on Cha	South A. State State State	Yes	V	No		Adjusted?			
	analyses were requested		Yes			ō				
4. Were all holdir	ng times able to be met? Istomer for authorization.)		Yes		No		Checked by: DAD 5/19/20			
Special Handl	ing (if applicable)									
15. Was client no	tified of all discrepancies	with this order?	Yes		No		NA 🗹			
Person By Who Regardi	m: Ing:	Date Via:	e: eM	ail 🗌 Ph	none 🗌] Fax	In Person			
	structions:									
16. Additional rer 17. <u>Cooler Infor</u> Cooler No		Seal Intact Seal No	Seal D	ate	Signed	Ву				
1	4.2 Good	Not Present								

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Page 1 of 1

TORY	:15:34 AM		Page
Hall ENVIRONMENTAL ANALYSIS LABORATOR ANALYSIS LABORATOR www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request	2081 Pesticides/8082 PCB's EDB (Method 504.1) PAHs by 8310 or 8270SIMS CRA 8 Metals 21, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄ 20, F, GMi-VOA) 2270 (Semi-VOA) Total Coliform (Present/Absent)	CC: Nahalie	
Te 49(ТРН:8015D(GRO / DRO / MRO) ВТЕХ / МТВЕ / ТМВ's (8021)		
Selanturn Rush La Fed 1 10141	rechas KARRIS DNO O.1 (E) 4.2× (°C) HEAL NO.	- 002 - 002 - 003 - 003 - 003 - 003 - 003 - 03 - 03	Time
25	e (1cc	Via:
Project Name: Todd	Project Manager: / Sampler: //wsy.m On Ice: 2 Yes # of Coolers: / Cooler Temp(including cf): 4 Container Preservativ Type and #	Y o Z V Received by:	Received by:
		0.0, 0.0, 10,0	
t: Vertet 19 Address: e #:	□ Level 4 (Full Validation) □ Az Compliance □ Other Matrix Sample Name	8520-03 WS20-01 WS20-02 WS20-02	redov:
Sector Sector	D Az Co	Se, / BS WS WS Relinquished by:	Relinquished by:
Client: Client: Mailing Address: Phone #: Address: 4/19/202		0 0 0 0 0	Time:
Sed to Imaging: 4/19/202	Eemail or Fax#: email or Fax#: QA/QC Package Accreditation: Accreditation: Date Time	28 20	

CONDITIONS

Action 9288

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

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

District III 1000 Rio Brazos Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170 <u>District IV</u> 1220 S. St Francis Dr., Santa Fe, NM 87505

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

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

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:			
PIMA ENVIRONMENTAL SERVICES, L 1601 N. Turner	329999	9288	C-141			
Suite 500 Hobbs, NM88240						
OCD Reviewer	Condition					
chensley	None					