

Spill Volume(Bbls) Calculator*Inputs in blue , Outputs in red***Contaminated Soil measurement**

Length(Ft)	Width(Ft)	Depth(Ft)
<u>0</u>	<u>0.000</u>	<u>0.083</u>
Cubic Feet of Soil Impacted		<u>87.150</u>
Barrels of Soil Impacted		<u>15.53</u>
Soil Type		Clay/Sand
Barrels of Oil Assuming 100% Saturation		<u>2.33</u>
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels of Oil Released		<u>2.33</u>
Free Standing Fluid Only		
Length(Ft)	Width(Ft)	Depth(Ft)
<u>0</u>	<u>0.000</u>	<u>0.083</u>
Standing fluid		<u>8.857</u>
Total fluids spilled		<u>11.187</u>

Instructions

1. Input spill area measurements in feet, if less than one foot use converter below.

2. Select a soil type from the drop down menu.

3. Select a saturation level from the drop down menu.

(For data gathering instructions see appendix tab)

Inches to Feet Converter

	Inches	Feet
Length		0.000
Width		0.000
Height		0.000

Devon Energy Production Company, LP
6488 Seven Rivers Hwy
Artesia, NM 88210
575-748-0167

June 3, 2024

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

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

Re: Remediation Closure Report
Arcturus 18 Fed 2H
API No. 30-015-38390
GPS: Latitude 32.66300 Longitude -103.900670
ULSTR – H – 18 – 19S – 31E Eddy County, NM
NMOCD Incident ID: NRM2014359631

This produced water release that occurred at the Arcturus 18 Fed 2H (Arcturus) was discovered on January 6, 2020. The initial C-141 was submitted on November 9, 2021, and approved by the NMOCD (OCD Online: Permitting – Application ID 8561). This release was assigned Incident ID NRM2014359631, by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

Site information and characterization documents can be found in the previously denied Remediation Closure Report located in OCD Online: Permitting – Action Status, under the Application ID: 197565.

Release Information

NRM2014359631: On January 6, 2020, A polish rod failure due to broken bolts on polish rod liner, causing stuffing box to leak. All fluids remained on the production pad. The total volume of fluids released was calculated to be approximately .16 of a barrel (bbls) of crude oil and 11.027 barrels (bbls) of produced water. A vacuum truck was able to recover approximately 10 bbls of standing fluid from the area.

Remediation Activities

On February 17, 2020, Talon LPE mobilized personnel and equipment and conducted remediation activities. The description of these activities and summary of this incident remediation can be found in OCD Online: Permitting – Action Status, under the Application ID: 197565

Countermeasures due to denied Remediation Closure Report

On July 24, 2023, in response to the denial of the previously submitted closure report, Pima Environmental mobilized personnel to the site to conduct the requested additional delineation activities. Pima collected additional bottom samples from the S2 and S9 areas. Samples were also collected from the edges of the release in the S2, S6, and S9 areas. A total of 7 discreet samples were collected, put on ice, jarred, and delivered to Envirotech Laboratories where each sample was analyzed for all constituents. The laboratory results of this sampling event can be found in the following data table. A sampling notification was not submitted for this sampling event, due to it was not required for delineation samples at the time these were collected. A corresponding Delineation Map can be found in Figure 1.

7-24-23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY -ARCTURUS 18 FED 2								
Sample Date: 7/24/2023				NM Approved Laboratory Results				
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-2	4'	ND	ND	ND	0	ND	0	ND
S-9	4'	ND	ND	ND	ND	ND	0	ND
SW 2	3'	ND	ND	ND	ND	ND	0	ND
SW2A	4'	ND	ND	ND	ND	ND	0	ND
SW 6	1'	ND	ND	ND	ND	ND	0	ND
SW 6A	2'	ND	ND	ND	ND	ND	0	ND
SW9	3'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

A complete Laboratory Report is attached in Appendix E.

Approval Request

The laboratory results of this sampling event show the contaminants in this release area to be under the regulatory limits as per Table 1 19.15.29 NMAC. On behalf of Devon, Pima requests that this Remediation Closure Report for incident ID# nRM2014359631 be approved. Devon has complied with the applicable closure requirements outlined in rule 19.15.29.12 NMAC.

Should you have any questions or need additional information, please feel free to contact:

Devon Energy Production – Dale Woodall at 575-748-0167 or dale.woodall@devon.com.

Pima Environmental – Tom Bynum at 580-748-1613 or tom@pimaoil.com.

Attachments

Figures:

1 – Delineation Map

Appendices:

Appendix A – NMOCD Correspondence

Appendix B – Photographic Documentation

Appendix C – Laboratory Report








Figures:

1 - Delineation Map

Arcturus 18 Fed 2H

Devon Energy
API: 30-015-38390
Eddy County, NM
Delineation Map

Legend

-  Arcturus 18 Fed 2H
-  Samples
-  Sidewalls
-  Spill Area
-  1' excavation



90 ft



Appendix A

NMOCD Correspondence

OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[C-141] Release Corrective Action (C-141) Application

Submission Information

Submission ID:	197565	Districts:	Artesia
Operator:	[6137] DEVON ENERGY PRODUCTION COMPANY, LP	Counties:	Eddy
Description:	DEVON ENERGY PRODUCTION COMPANY, LP [6137] , ARCTURUS 18 FED 2 H , nRM2014359631		
Status:	REJECTED		
Status Date:	07/24/2023		
References (2):	30-015-38390, nRM2014359631		

Forms

Attachments:	C-141
	C-141
	Scaled Site Map

Questions

This submission type does not have questions, at this time.

Comments

No comments found for this submission.

Conditions

No conditions found for this submission.

Reasons

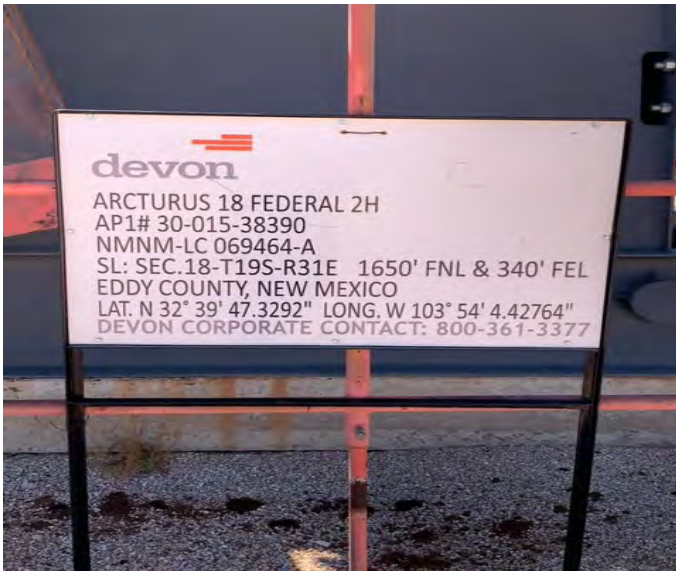
Summary: *hamlet* (7/24/2023), The Closure Report is Denied. Please make sure the edges/sidewalls for sample locations "S2", "S6", and "S9" are delineated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release.

Go Back



Appendix B

Photographic Documentation





Appendix C

Laboratory Report

Report to:
Tom Bynum



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Acturus 18 Fed. #2H

Work Order: E307143

Job Number: 01058-0007

Received: 7/26/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/1/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/1/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Acturus 18 Fed. #2H
Workorder: E307143
Date Received: 7/26/2023 8:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/26/2023 8:15:00AM, under the Project Name: Acturus 18 Fed. #2H.

The analytical test results summarized in this report with the Project Name: Acturus 18 Fed. #2H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Acturus 18 Fed. #2H	Reported: 08/01/23 07:11
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S2 - 4'	E307143-01A	Soil	07/24/23	07/26/23	Glass Jar, 2 oz.
S9 - 4'	E307143-02A	Soil	07/24/23	07/26/23	Glass Jar, 2 oz.
SW2	E307143-03A	Soil	07/24/23	07/26/23	Glass Jar, 2 oz.
SW2A	E307143-04A	Soil	07/24/23	07/26/23	Glass Jar, 2 oz.
SW6	E307143-05A	Soil	07/24/23	07/26/23	Glass Jar, 2 oz.
SW6A	E307143-06A	Soil	07/24/23	07/26/23	Glass Jar, 2 oz.
SW9	E307143-07A	Soil	07/24/23	07/26/23	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Acturus 18 Fed. #2H	Reported: 8/1/2023 7:11:27AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S2 - 4'

E307143-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2330057	
Benzene	ND	0.0250	1	07/26/23	07/26/23	
Ethylbenzene	ND	0.0250	1	07/26/23	07/26/23	
Toluene	ND	0.0250	1	07/26/23	07/26/23	
o-Xylene	ND	0.0250	1	07/26/23	07/26/23	
p,m-Xylene	ND	0.0500	1	07/26/23	07/26/23	
Total Xylenes	ND	0.0250	1	07/26/23	07/26/23	
Surrogate: Bromofluorobenzene	97.7 %	70-130		07/26/23	07/26/23	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		07/26/23	07/26/23	
Surrogate: Toluene-d8	105 %	70-130		07/26/23	07/26/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2330057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/26/23	07/26/23	
Surrogate: Bromofluorobenzene	97.7 %	70-130		07/26/23	07/26/23	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		07/26/23	07/26/23	
Surrogate: Toluene-d8	105 %	70-130		07/26/23	07/26/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2330056	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/23	07/27/23	
Surrogate: n-Nonane	98.5 %	50-200		07/26/23	07/27/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2330059	
Chloride	ND	20.0	1	07/26/23	07/27/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Acturus 18 Fed. #2H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/1/2023 7:11:27AM

S9 - 4'

E307143-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330057
Benzene	ND	0.0250	1	07/26/23	07/26/23	
Ethylbenzene	ND	0.0250	1	07/26/23	07/26/23	
Toluene	ND	0.0250	1	07/26/23	07/26/23	
o-Xylene	ND	0.0250	1	07/26/23	07/26/23	
p,m-Xylene	ND	0.0500	1	07/26/23	07/26/23	
Total Xylenes	ND	0.0250	1	07/26/23	07/26/23	
Surrogate: Bromofluorobenzene		102 %	70-130	07/26/23	07/26/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	07/26/23	07/26/23	
Surrogate: Toluene-d8		102 %	70-130	07/26/23	07/26/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330057
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/26/23	07/26/23	
Surrogate: Bromofluorobenzene		102 %	70-130	07/26/23	07/26/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	07/26/23	07/26/23	
Surrogate: Toluene-d8		102 %	70-130	07/26/23	07/26/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2330056
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/23	07/27/23	
Surrogate: n-Nonane		116 %	50-200	07/26/23	07/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330059
Chloride	ND	20.0	1	07/26/23	07/27/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Acturus 18 Fed. #2H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/1/2023 7:11:27AM

SW2

E307143-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330057
Benzene	ND	0.0250	1	07/26/23	07/26/23	
Ethylbenzene	ND	0.0250	1	07/26/23	07/26/23	
Toluene	ND	0.0250	1	07/26/23	07/26/23	
o-Xylene	ND	0.0250	1	07/26/23	07/26/23	
p,m-Xylene	ND	0.0500	1	07/26/23	07/26/23	
Total Xylenes	ND	0.0250	1	07/26/23	07/26/23	
Surrogate: Bromofluorobenzene		101 %	70-130	07/26/23	07/26/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	07/26/23	07/26/23	
Surrogate: Toluene-d8		102 %	70-130	07/26/23	07/26/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330057
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/26/23	07/26/23	
Surrogate: Bromofluorobenzene		101 %	70-130	07/26/23	07/26/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	07/26/23	07/26/23	
Surrogate: Toluene-d8		102 %	70-130	07/26/23	07/26/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2330056
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/23	07/27/23	
Surrogate: n-Nonane		114 %	50-200	07/26/23	07/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330059
Chloride	ND	20.0	1	07/26/23	07/27/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Acturus 18 Fed. #2H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/1/2023 7:11:27AM

SW2A

E307143-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330057
Benzene	ND	0.0250	1	07/26/23	07/26/23	
Ethylbenzene	ND	0.0250	1	07/26/23	07/26/23	
Toluene	ND	0.0250	1	07/26/23	07/26/23	
o-Xylene	ND	0.0250	1	07/26/23	07/26/23	
p,m-Xylene	ND	0.0500	1	07/26/23	07/26/23	
Total Xylenes	ND	0.0250	1	07/26/23	07/26/23	
Surrogate: Bromofluorobenzene		101 %	70-130	07/26/23	07/26/23	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130	07/26/23	07/26/23	
Surrogate: Toluene-d8		102 %	70-130	07/26/23	07/26/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330057
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/26/23	07/26/23	
Surrogate: Bromofluorobenzene		101 %	70-130	07/26/23	07/26/23	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130	07/26/23	07/26/23	
Surrogate: Toluene-d8		102 %	70-130	07/26/23	07/26/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2330056
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/23	07/27/23	
Surrogate: n-Nonane		114 %	50-200	07/26/23	07/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330059
Chloride	ND	20.0	1	07/26/23	07/27/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Acturus 18 Fed. #2H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/1/2023 7:11:27AM

SW6

E307143-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330057
Benzene	ND	0.0250	1	07/26/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/26/23	07/27/23	
Toluene	ND	0.0250	1	07/26/23	07/27/23	
o-Xylene	ND	0.0250	1	07/26/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/26/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/26/23	07/27/23	
Surrogate: Bromofluorobenzene	99.7 %	70-130		07/26/23	07/27/23	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		07/26/23	07/27/23	
Surrogate: Toluene-d8	102 %	70-130		07/26/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330057
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/26/23	07/27/23	
Surrogate: Bromofluorobenzene	99.7 %	70-130		07/26/23	07/27/23	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		07/26/23	07/27/23	
Surrogate: Toluene-d8	102 %	70-130		07/26/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2330056
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/23	07/27/23	
Surrogate: n-Nonane	111 %	50-200		07/26/23	07/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330059
Chloride	ND	20.0	1	07/26/23	07/27/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Acturus 18 Fed. #2H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/1/2023 7:11:27AM

SW6A

E307143-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330057
Benzene	ND	0.0250	1	07/26/23	07/27/23	
Ethylbenzene	ND	0.0250	1	07/26/23	07/27/23	
Toluene	ND	0.0250	1	07/26/23	07/27/23	
o-Xylene	ND	0.0250	1	07/26/23	07/27/23	
p,m-Xylene	ND	0.0500	1	07/26/23	07/27/23	
Total Xylenes	ND	0.0250	1	07/26/23	07/27/23	
Surrogate: Bromofluorobenzene		103 %	70-130	07/26/23	07/27/23	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	07/26/23	07/27/23	
Surrogate: Toluene-d8		103 %	70-130	07/26/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330057
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/26/23	07/27/23	
Surrogate: Bromofluorobenzene		103 %	70-130	07/26/23	07/27/23	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	07/26/23	07/27/23	
Surrogate: Toluene-d8		103 %	70-130	07/26/23	07/27/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2330056
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/23	07/27/23	
Surrogate: n-Nonane		118 %	50-200	07/26/23	07/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330059
Chloride	ND	20.0	1	07/26/23	07/27/23	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Acturus 18 Fed. #2H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
8/1/2023 7:11:27AM

SW9

E307143-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330057
Benzene	ND	0.0250	1	07/26/23	07/26/23	
Ethylbenzene	ND	0.0250	1	07/26/23	07/26/23	
Toluene	ND	0.0250	1	07/26/23	07/26/23	
o-Xylene	ND	0.0250	1	07/26/23	07/26/23	
p,m-Xylene	ND	0.0500	1	07/26/23	07/26/23	
Total Xylenes	ND	0.0250	1	07/26/23	07/26/23	
Surrogate: Bromofluorobenzene		101 %	70-130	07/26/23	07/26/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	07/26/23	07/26/23	
Surrogate: Toluene-d8		102 %	70-130	07/26/23	07/26/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2330057
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/26/23	07/26/23	
Surrogate: Bromofluorobenzene		101 %	70-130	07/26/23	07/26/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	07/26/23	07/26/23	
Surrogate: Toluene-d8		102 %	70-130	07/26/23	07/26/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2330056
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/23	07/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/23	07/27/23	
Surrogate: n-Nonane		117 %	50-200	07/26/23	07/27/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330059
Chloride	ND	20.0	1	07/26/23	07/27/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Acturus 18 Fed. #2H	Reported: 8/1/2023 7:11:27AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2330057-BLK1) Prepared: 07/26/23 Analyzed: 07/26/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

LCS (2330057-BS1) Prepared: 07/26/23 Analyzed: 07/26/23

Benzene	2.41	0.0250	2.50		96.4	70-130			
Ethylbenzene	2.42	0.0250	2.50		96.8	70-130			
Toluene	2.43	0.0250	2.50		97.1	70-130			
o-Xylene	2.45	0.0250	2.50		98.1	70-130			
p,m-Xylene	4.89	0.0500	5.00		97.8	70-130			
Total Xylenes	7.34	0.0250	7.50		97.9	70-130			
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

Matrix Spike (2330057-MS1) Source: E307143-07 Prepared: 07/26/23 Analyzed: 07/26/23

Benzene	2.29	0.0250	2.50	ND	91.5	48-131			
Ethylbenzene	2.34	0.0250	2.50	ND	93.5	45-135			
Toluene	2.31	0.0250	2.50	ND	92.4	48-130			
o-Xylene	2.34	0.0250	2.50	ND	93.8	43-135			
p,m-Xylene	4.63	0.0500	5.00	ND	92.7	43-135			
Total Xylenes	6.98	0.0250	7.50	ND	93.0	43-135			
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

Matrix Spike Dup (2330057-MSD1) Source: E307143-07 Prepared: 07/26/23 Analyzed: 07/26/23

Benzene	2.31	0.0250	2.50	ND	92.3	48-131	0.870	23	
Ethylbenzene	2.37	0.0250	2.50	ND	94.8	45-135	1.38	27	
Toluene	2.34	0.0250	2.50	ND	93.6	48-130	1.29	24	
o-Xylene	2.38	0.0250	2.50	ND	95.1	43-135	1.38	27	
p,m-Xylene	4.72	0.0500	5.00	ND	94.3	43-135	1.78	27	
Total Xylenes	7.09	0.0250	7.50	ND	94.6	43-135	1.64	27	
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Acturus 18 Fed. #2H	Reported: 8/1/2023 7:11:27AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2330057-BLK1) Prepared: 07/26/23 Analyzed: 07/26/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

LCS (2330057-BS2) Prepared: 07/26/23 Analyzed: 07/26/23

Gasoline Range Organics (C6-C10)	51.8	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

Matrix Spike (2330057-MS2) Source: E307143-07 Prepared: 07/26/23 Analyzed: 07/26/23

Gasoline Range Organics (C6-C10)	54.1	20.0	50.0	ND	108	70-130			
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			

Matrix Spike Dup (2330057-MSD2) Source: E307143-07 Prepared: 07/26/23 Analyzed: 07/26/23

Gasoline Range Organics (C6-C10)	55.1	20.0	50.0	ND	110	70-130	1.90	20	
Surrogate: Bromofluorobenzene	0.520		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Acturus 18 Fed. #2H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/1/2023 7:11:27AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2330056-BLK1)					Prepared: 07/26/23 Analyzed: 07/27/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	60.6		50.0		121	50-200			

LCS (2330056-BS1)					Prepared: 07/26/23 Analyzed: 07/27/23				
Diesel Range Organics (C10-C28)	279	25.0	250		111	38-132			
Surrogate: n-Nonane	55.8		50.0		112	50-200			

Matrix Spike (2330056-MS1)					Source: E307143-04		Prepared: 07/26/23 Analyzed: 07/27/23		
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	40.5		50.0		80.9	50-200			

Matrix Spike Dup (2330056-MSD1)					Source: E307143-04		Prepared: 07/26/23 Analyzed: 07/27/23		
Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132	0.912	20	
Surrogate: n-Nonane	37.9		50.0		75.7	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Acturus 18 Fed. #2H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	8/1/2023 7:11:27AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2330059-BLK1)					Prepared: 07/26/23 Analyzed: 07/27/23				
Chloride	ND	20.0							
LCS (2330059-BS1)					Prepared: 07/26/23 Analyzed: 07/27/23				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2330059-MS1)					Source: E307142-01		Prepared: 07/26/23 Analyzed: 07/27/23		
Chloride	528	200	250	267	104	80-120			
Matrix Spike Dup (2330059-MSD1)					Source: E307142-01		Prepared: 07/26/23 Analyzed: 07/27/23		
Chloride	529	200	250	267	105	80-120	0.0984	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Acturus 18 Fed. #2H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	08/01/23 07:11

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 1 of 1

Client: Pima Environmental Services Project: Acifurus 18 Fed. #24 Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 338					Lab Use Only Lab WO# E307143		Job Number 010580007		TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA				
										Analysis and Method										State NM CO UT AZ TX X		
										DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX				Remarks
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																	
8:00	7/24	S	1	S2-4'	1								X									
8:05				S9-4'	2																	
8:10				SW2	3																	
8:15				SW2	4																	
8:20				SW6	5																	
8:25				SW6	6																	
8:30				SW9	7																	
Additional Instructions:																						
Billing # 21203670																						
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.												
Relinquished by: (Signature) <u>Carine Adame</u> Date <u>7/25/23</u> Time <u>2:00</u>										Received by: (Signature) <u>Michelle Conz</u> Date <u>7-25-23</u> Time <u>1400</u>												
Relinquished by: (Signature) <u>Michelle Conz</u> Date <u>7-25-23</u> Time <u>1700</u>										Received by: (Signature) <u>Michelle Conz</u> Date <u>7-25-23</u> Time <u>1700</u>												
Relinquished by: (Signature) <u>Adrian Mingo</u> Date <u>7-25-23</u> Time <u>2300</u>										Received by: (Signature) <u>Carle Man</u> Date <u>7/26/23</u> Time <u>8:15</u>												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA												
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																						

Envirotech Analytical Laboratory

Printed: 7/26/2023 8:44:25AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	07/26/23 08:15	Work Order ID:	E307143
Phone:	(575) 631-6977	Date Logged In:	07/26/23 08:33	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	08/01/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Project Information

Chain of Custody

Page 1 of 1

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT			EPA Program				
Project: <u>Aciforus 18 Fed. #24</u>					Attention: <u>Devon</u>		Lab Work <u>E307143</u>		Job Number <u>010580007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:									X		
Address: 5614 N. Lovington Hwy.					City, State, Zip										RCRA	
City, State, Zip: Hobbs, NM, 88240					Phone:											
Phone: 580-748-1613					Email:											
Email: tom@pimaoil.com					Pima Project # <u>338</u>											
Report due by:																

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC	NM	BGDOC	TX	Remarks
8:00	7/24	<u>S</u>	<u>1</u>	<u>S2-4'</u>	<u>1</u>								X			Client asked to add the letter A to samples 4 and 6. 7/26/23 cm
8:05				<u>S9-4'</u>	<u>2</u>											
8:10				<u>SW2</u>	<u>3</u>											
8:15				<u>SW2 A</u>	<u>4</u>											
8:20				<u>SW6</u>	<u>5</u>											
8:25				<u>SW6 A</u>	<u>6</u>											
8:30				<u>SW9</u>	<u>7</u>											

Additional Instructions: Billing # 21203670

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

Sampled by: _____

Relinquished by: (Signature) <u>Lucine Adams</u>	Date <u>7/25/23</u>	Time <u>2:00</u>	Received by: (Signature) <u>Michelle Gungler</u>	Date <u>7-25-23</u>	Time <u>1400</u>
Relinquished by: (Signature) <u>Michelle Gungler</u>	Date <u>7-25-23</u>	Time <u>1700</u>	Received by: (Signature) <u>Andrew Mingo</u>	Date <u>7-25-23</u>	Time <u>1700</u>
Relinquished by: (Signature) <u>Andrew Mingo</u>	Date <u>7-25-23</u>	Time <u>2300</u>	Received by: (Signature) <u>Caitie Man</u>	Date <u>7/26/23</u>	Time <u>8:15</u>

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____

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

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



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

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

QUESTIONS

Action 351097

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	351097
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nRM2014359631
Incident Name	NRM2014359631 ARCTURUS 18 FED 2 H @ 30-015-38390
Incident Type	Release Other
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-38390] ARCTURUS 18 FEDERAL #002H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	ARCTURUS 18 FED 2 H
Date Release Discovered	01/06/2020
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Other (Specify) Crude Oil Released: 0 BBL Recovered: 0 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Other (Specify) Produced Water Released: 11 BBL Recovered: 10 BBL Lost: 1 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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QUESTIONS, Page 2

Action 351097

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 351097
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmv.com Date: 06/05/2024
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QUESTIONS, Page 3

Action 351097

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	351097
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	2600
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	16500
GRO+DRO (EPA SW-846 Method 8015M)	3500
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	03/19/2020
On what date will (or did) the final sampling or liner inspection occur	03/20/2020
On what date will (or was) the remediation complete(d)	03/20/2020
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	200
What is the estimated volume (in cubic yards) that will be remediated	7

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

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QUESTIONS, Page 4

Action 351097

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 351097
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 06/05/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 351097

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
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	Action Number:
	351097
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 351097

QUESTIONS (continued)

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	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	351008
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/24/2023
What was the (estimated) number of samples that were to be gathered	7
What was the sampling surface area in square feet	200

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	200
What was the total volume (cubic yards) remediated	7
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	see reports

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 06/05/2024
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QUESTIONS, Page 7

Action 351097

QUESTIONS (continued)

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[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

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

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CONDITIONS

Action 351097

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NRM2014359631 ARCTURUS 18 FED 2 H, thank you. This Remediation Closure Report is approved.	7/2/2024