



HRL
COMPLIANCE
SOLUTIONS

P.O. Box 1708 • Artesia, NM 88211
www.hrlcomp.com

June 5, 2020

Mr. Tom Bynum
Devon Energy
6488 Seven Rivers Highway
Artesia, New Mexico 88211
Email: tom.bynum@dvn.com

Subject: Site Characterization and Closure Report
Cotton Draw Unit 172H (April 2015)
2RP-2966
Eddy County, New Mexico

Dear Mr. Bynum:

HRL Compliance Solutions, Inc. (HRL) is pleased to present this closure report for the release and subsequent remediation of the April 26, 2015 release at the Cotton Draw Unit 172H (Site). The release is at latitude 32.152380 and longitude -103.726807 in Eddy County, New Mexico (Figure 1). Photographs of the site can be found in Attachment A.

Site Background

On April 26, 2015, a release of four barrels (bbls) of oil was observed at the Site. The release occurred when a dump valve hung open on the three-phase separator. This caused the free water knockout to overpressure, resulting in oil to release from the pressure relief valve on the free water knockout. Of the four bbls of oil that was released, three bbls remained within lined containment and were recovered by vacuum truck. The remaining one bbl of oil was carried by the wind into the pasture in a northeasterly direction, originating from the southeast corner of the pad. The area affected in the pasture was tilled and the surface was treated.

Because the volume released was less than five barrels (bbls), this is considered a non-reportable release according to the New Mexico Oil and Conservation Division (NMOCD). On April 28, 2015, Devon reported the release to NMOCD on a Release Notification and Corrective Action Form (Form C-141) (Attachment B). The release was assigned Remediation Permit (RP) number 2RP-2966.

Scope of Work

Devon has requested HRL to provide the following deliverables:

- Research the information as specified in the Site Characterization on the NMOCD Form C-141
- Prepare a map with sample points labeled
- Prepare a table summarizing the results obtained during the site characterization activities

INNOVATIVE SOLUTIONS DELIVERED



Mr. Bynum
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- Prepare a site characterization report including a remediation plan per NMOCD closure requirements and related cost estimates

New Mexico Administrative Code (NMAC) Site Characterization Criteria

Title 19, Chapter 15, Part 29, Section 11 of the New Mexico Administrative Code (NMAC) provides requirements for release characterization once the free liquids and recoverable materials have been removed from the Site.

Depth to Groundwater

Depth to groundwater at the release was estimated by evaluating data from the New Mexico Office of the State Engineer (NMOSE) and the United States Geological Survey (USGS) (Figure 2). The nearest groundwater well was approximately 1 mile from the Site; the depth to water in this well was 390 feet below ground surface (bgs).

Wellhead Protection Area

There are no sources of water, including springs, wells, or other sources of fresh water, within one-half mile of the release (Figure 2).

Distance to Nearest Significant Watercourse

A significant watercourse is defined as "...a watercourse with a defined bed and bank either named or identified by a dashed blue line on a USGS 7.5-minute quadrangle map or the next lower order tributary with a defined bed and bank" (19.15.17.7 NMAC) (Figure 2). There are no significant watercourses within one-half mile of the lateral extents of the release.

Additional Site Characterization Criteria

The following is additional information related to characterization of the Site.

Site Characterization	Response/Discussion
What is the shallowest depth to groundwater beneath the area affected by the release?	Greater than 100 feet
Did the release impact groundwater or surface water?	No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or other significant watercourse?	No
Are the lateral extents of the release within 200 feet of a lakebed, sinkhole, or playa lake?	No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital institution, or church?	No

Cotton Draw Unit 172H (April 2015)
June 5, 2020



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Site Characterization	Response/Discussion
Are the lateral extents of the release within 500 feet of a spring or private, domestic fresh water well used by less than five households for domestic or stock watering purposes?	No
Are the lateral extents of the release within 1,000 feet of any fresh water well or spring?	No
Are the lateral extents of the release within any incorporated municipal boundaries?	No
Are the lateral extents of the release within a defined municipal fresh water well field?	No
Are the lateral extents of the release within 300 feet of a wetland?	No
Are the lateral extents of the release overlying a subsurface mine?	No
Are the lateral extents of the release overlying an unstable area such as karst geology?	The Site is in an area of low potential for karst topography
Are the lateral extents of the release within the 100-year floodplain?	No
Did the release impact areas not on an exploration, development, production, or storage site?	Yes

Site Delineation

Prior to initiating field activities, HRL submitted a Mechanical Excavation Permit to Devon Energy and had subsurface utilities located at the Site. On March 8, 2020, HRL mobilized to the Site to evaluate the release. Four soil samples (SP1 through SP4) were collected from ground surface for analysis in the field (field screening) by one or more of the following methods:

- Chloride was approximated using an electrical conductivity (EC) meter in accordance with methods recommended by the U.S. Department of Agriculture (USDA) Natural Resource Conservation Service (NRCS)
- Non-specific volatile organic compounds (VOCs) were measured using a photoionization detector (PID) with a 10.6 electron-volt (eV) lamp
- Total petroleum hydrocarbons (TPH) was measured using a PetroFlag® field test kit in accordance with U.S. Environmental Protection Agency (EPA) Method 9074

On March 15, HRL remobilized to the Site to further evaluate the release. Four soil samples (SP5 through SP8) were collected from ground surface for analysis in the field as described above.

On April 3, 2020, HRL mobilized to the Site to collect five soil samples (SP1 through SP5) for laboratory analysis. The soil samples were immediately placed on ice and kept under strict chain of custody protocol prior to submission to Hall Environmental Analysis Laboratory, Inc. in Albuquerque, New Mexico for analysis of:

Cotton Draw Unit 172H (April 2015)
June 5, 2020



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- Chloride by United States Environmental Protection Agency (US EPA) Method 300.0
- Benzene, toluene, ethyl benzene, and total xylenes (BTEX) by US EPA Method 8021B
- Total petroleum hydrocarbons (TPH) – gasoline range organics (GRO), diesel range organics (DRO), and oil range organics (ORO) by US EPA Method 8015M

Closure Criteria

Based on the NMAC Site Characterization Criteria, HRL has applied the following NMOCD Closure Criteria to the Site:

Depth to Groundwater	Parameter	Closure Criteria in milligrams per kilogram (mg/kg)
Greater than 100 feet below ground surface	Chloride	20,000 mg/kg or natural background, whichever is greater
	Total Petroleum Hydrocarbons (TPH) [<i>Gasoline Range Organics (GRO) + Diesel Range Organics (DRO) + Oil Range Organics (ORO)</i>]	2,500 mg/kg
	Gasoline Range Organics (GRO) + Diesel Range Organics (DRO)	1,000 mg/kg
	Benzene	10 mg/kg
	Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX)	50 mg/kg

Remediation and Reclamation

A scaled diagram depicting the potentially impacted area and nearby significant features, such as roads, site infrastructure, location of borings, sample points, monitoring wells (if present) and subsurface features has been prepared (Figure 3). HRL utilized a Trimble GeoXT global positioning system (GPS) unit to collect latitude and longitude data for the sample locations. Based on evaluation of the laboratory results of the soil samples, remediation of the impacted soil is not necessary (Attachment B).

Conclusions and Recommendations

The results of the soil samples were below the applicable closure criteria specified in 19.15.29.12 NMAC. Therefore, no additional remedial action is required; HRL recommends closure of this release.

Scope and Limitations

The scope of HRL's services consists of performing site characterization, confirmation sampling, and preparation of this closure report. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin.

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June 5, 2020



Mr. Bynum
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We appreciate the opportunity to work with Devon on this project. If you have any questions or concerns, please do not hesitate to contact me at (970) 243-3271 or via email at jlinn@hrlcomp.com.

Sincerely,

HRL Compliance Solutions, Inc.

A handwritten signature in blue ink, appearing to read 'Julie Linn', is written over a faint, light blue circular watermark.

Julie Linn, PG, RG
Project Manager

Figures:

Figure 1: Site Location Map

Figure 2: Depth to Groundwater Map

Figure 3: Sample Location and Results Map

Tables:

Table 1: Analytical Results Summary

Attachments:

Attachment A: Photographs

Attachment B: NMOCD Form C-141

Attachment C: Laboratory Analytical Reports

Cotton Draw Unit 172H (April 2015)
June 5, 2020



Figures

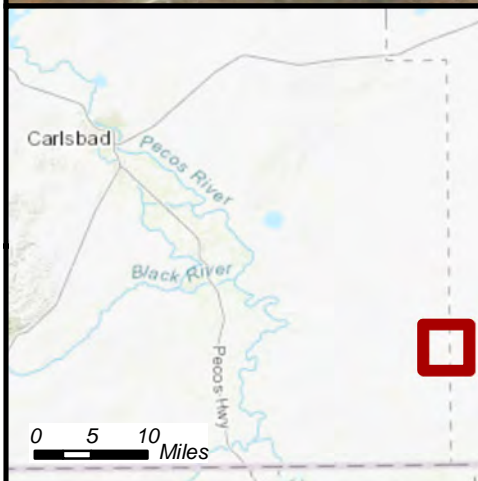
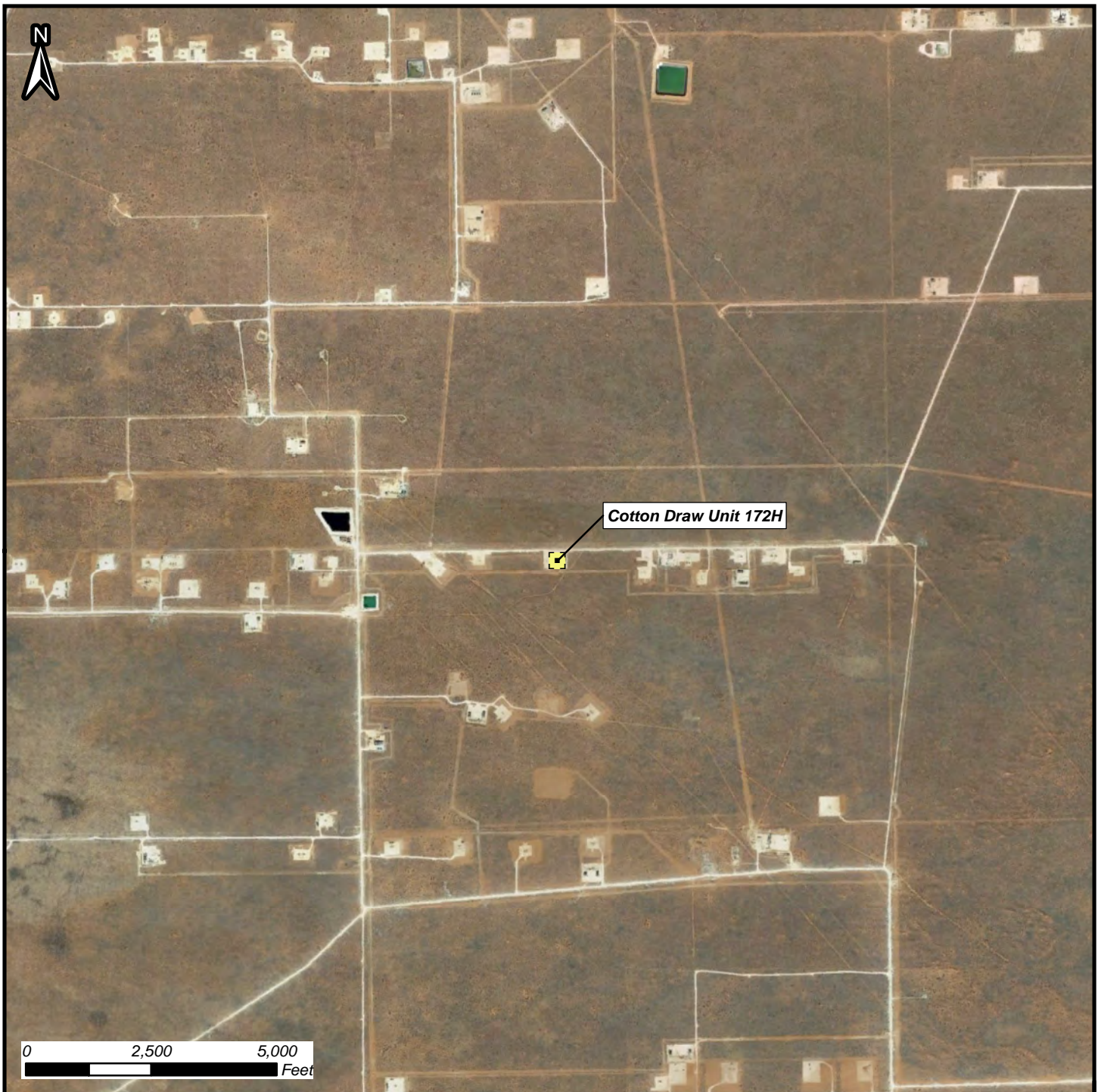


Figure 1: Site Location Map

Cotton Draw Unit 172H

April 2015 Spill

32.152380, -103.726807

Section 1, Township 25 South, Range 31 East

NOTES / COMMENTS:

Mapped Features

Facility Location

DISCLAIMER: This representation and the Geographic Information System (GIS) used to create it are designed as a source of reference and not intended to replace official records and/or legal surveys. HRL assumes no responsibility for any risks, dangers, or liabilities that may result from its use and makes no guarantees as to the quality or accuracy of the underlying data.



Author: A. Asay

Revision: 0

Date: 3/2/2020

T:\CLIENTS\DEVON ENERGY\2020\Cotton Draw Unit 172H\Map\Cotton Draw Unit 172H Site Location Map (April 2015 Spill) 030220.mxd

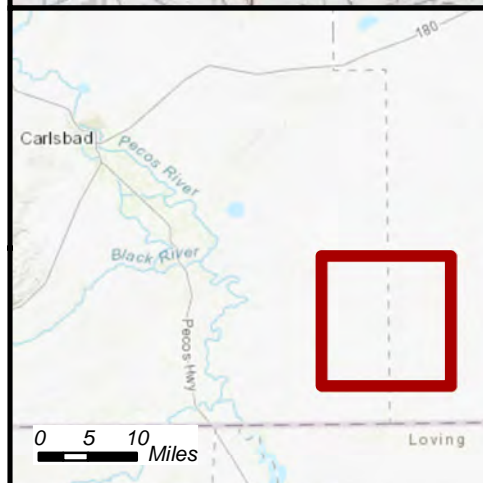
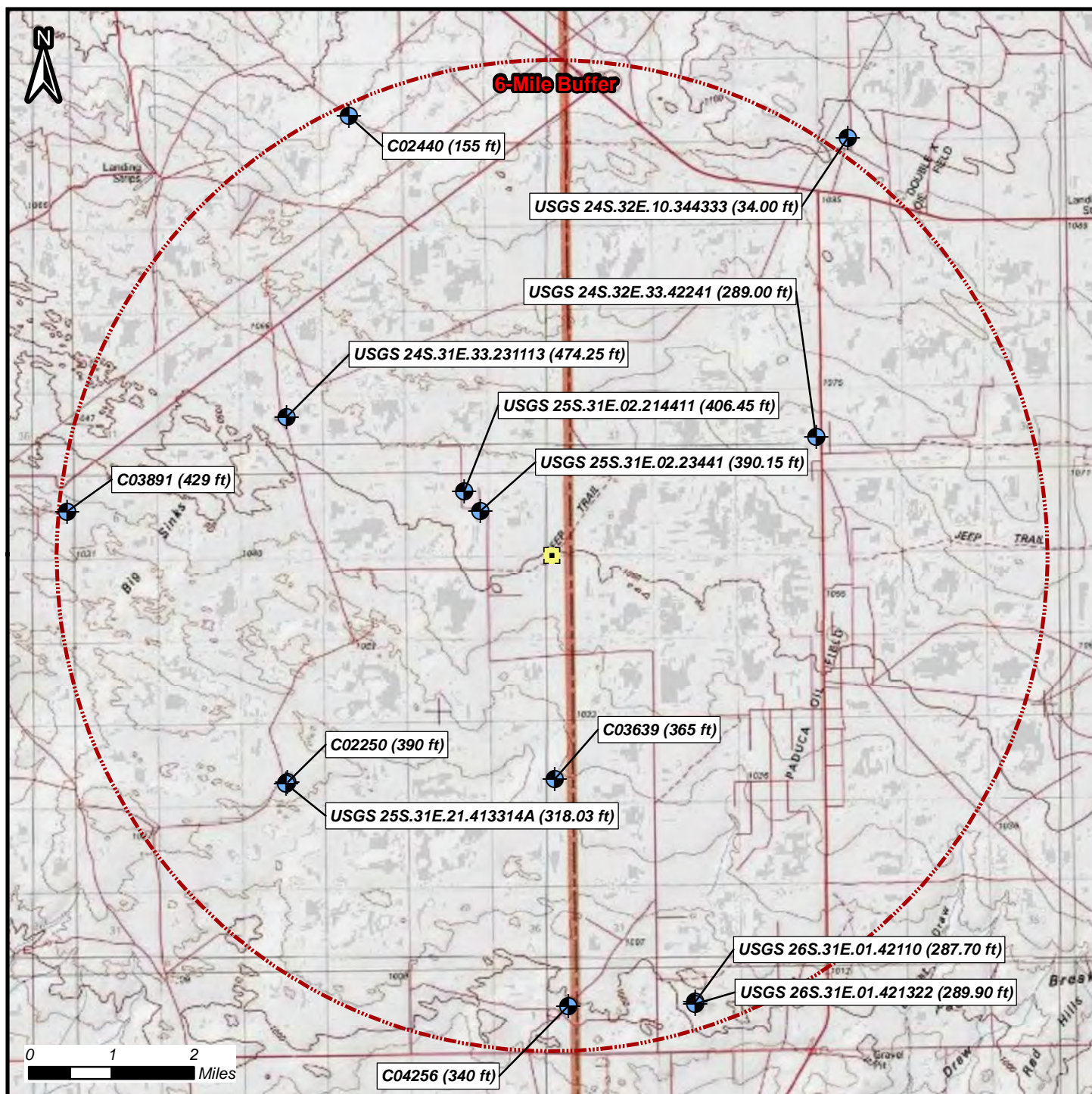


Figure 2: Depth to Groundwater Map

Cotton Draw Unit 172H

April 2015 Spill

32.152380, -103.726807

Section 1, Township 25 South, Range 31 East

Well Number	Water Level Below Ground Surface (ft)	Distance from Source (mi)
C02250	390.00	4.22
C03639	365.00	2.71
C04256	340.00	5.46
C02440	155.00	5.86
C03891	429.00	5.90
USGS 25S.31E.02.23441	390.15	1.03
USGS 25S.31E.02.214411	406.45	1.32
USGS 24S.31E.33.231113	474.25	3.63
USGS 24S.32E.33.42241	289.00	3.51
USGS 25S.31E.21.413314A	318.03	4.25
USGS 26S.31E.01.42110	287.70	5.68
USGS 26S.31E.01.421322	289.90	5.70
USGS 24S.32E.10.344333	34.00	6.19

Mapped Features

- Point of Release
- Groundwater Well
- 6-Mile Buffer



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Author: A. Asay

Revision: 0

Date: 5/18/2020

T:\CLIENTS\DEVON ENERGY\2020\Cotton Draw Unit 172H\Map\Cotton Draw Unit 172H DTGW Map (April 2015 Spill) 051820.mxd

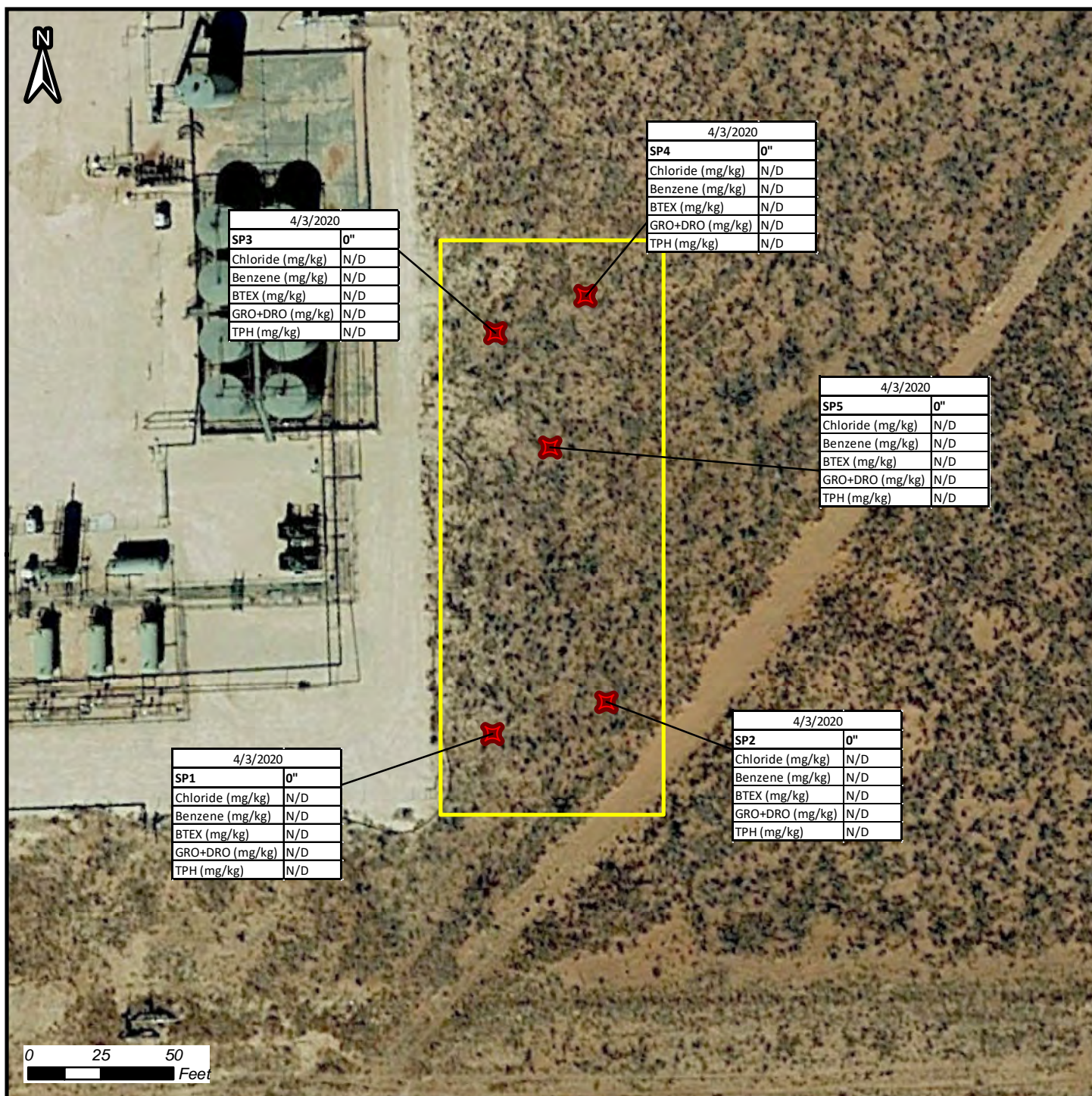


Figure 3: Confirmation Sample Location Map

Cotton Draw Unit 172H

April 2015 Spill

32.152380, -103.726807

Section 1, Township 25 South, Range 31 East

NOTES / COMMENTS:

The area of investigation measures 76 feet by 198 feet and covers an area of approximately 15,162 square feet. There is no impacted area above the applicable standards.

Mapped Features

- Sample Location (Submitted for Analysis)
- Area of Investigation



DISCLAIMER: This representation and the Geographic Information System (GIS) used to create it are designed as a source of reference and not intended to replace official records and/or legal surveys. HRL assumes no responsibility for any risks, dangers, or liabilities that may result from its use and makes no guarantees as to the quality or accuracy of the underlying data.

Author: A. Asay

Revision: 0

Date: 4/24/2020

T:\CLIENTS\DEVON ENERGY\2020\Cotton Draw Unit 172H\Maps\Cotton Draw Unit 172H Confirmation Sample Location Map (April 2015 Spill) 042420.mxd



Tables



Table 1
Soil Sample Results
Devon Energy
Cotton Draw Unit 172H (April 2015)
Eddy County, New Mexico

Sample ID	Depth (inches)	Sample Date	Chloride	Benzene	BTEX	GRO + DRO	TPH
			<i>Values are in milligrams per kilogram (mg/kg)</i>				
NMOCD Closure Criteria (Groundwater greater than 100 feet) *			20,000	10	50	1,000	2,500
SP1	0	4/3/2020	ND	ND	ND	ND	ND
SP2	0	4/3/2020	ND	ND	ND	ND	ND
SP3	0	4/3/2020	ND	ND	ND	ND	ND
SP4	0	4/3/2020	ND	ND	ND	ND	ND
SP5	0	4/3/2020	ND	ND	ND	ND	ND

Notes:

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, toluene, ethylbenzene, total xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

TPH: Total Petroleum Hydrocarbons

Bold results exceed closure criteria

* Closure Criteria specified in 19.15.29.12 NMAC



Attachment A

Photographs



View of the Site



View of the Site





Attachment B
NMOCD Form C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised August 8, 2011
Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☒ Final Report

Name of Company Devon Energy Production Company	Contact Garry Michael; Production Foreman
Address 6488 Seven Rivers Hwy Artesia, NM 88210	Telephone No. 575-513-4895
Facility Name Cotton Draw Unit 172H	Facility Type Oil Well
Surface Owner Federal	Mineral Owner Federal
API No 30-015-42426	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	1	25S	31E	195	South	1345	East	Eddy

Latitude: N 32° 09' .09.41"

Longitude: W 103° 43' 38.37"

NATURE OF RELEASE

Type of Release oil release	Volume of Release 4BBLS	Volume Recovered 3BBLS
Source of Release Pressure relief valve on free water knock out	Date and Hour of Occurrence April 26, 2015 10:15 AM	Date and Hour of Discovery April 26, 2015 10:15 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jim Amos; BLM & Mike Bratcher; OCD	
By Whom? David Washington; Assistant Production Foreman	Date and Hour May 26, 2015 3:00 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse N/A	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*

The free water knock out over pressured as a result of a dump valve hanging open on the three phase separator causing oil to release from the pressure relief valve on the free water knock out. Once the pressure was relieved the release stopped. Dump valve was adjusted.

Describe Area Affected and Cleanup Action Taken.*

A total of 4BBLS of oil was released. 3BBLS was released into lined secondary containment. The wind carried approximately 1 BBL of oil into the pasture in a northeasterly direction originating from the southeast corner of the pad. The 1 BBLS of mist released into the pasture affected an area approximately 100' x 100'. The 3 BBLS of oil released into lined containment was recovered via vacuum truck. The area affected in the pasture was tilled and the surface was treated with EC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: <i>Sandy Farley</i>	OIL CONSERVATION DIVISION		
Printed Name: Sandy Farley			
Title: Field Admin Support	Approved by Environmental Specialist:		
E-mail Address: sandy.farley@dmv.com	Approval Date:	Expiration Date:	
Date: 4.28.15 Phone: 575.746.5587	Conditions of Approval:		Attached <input type="checkbox"/>

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAB1511729624
District RP	2RP-2966
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?	>100 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

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

Incident ID	nAB1511729624
District RP	2RP-2966
Facility ID	
Application ID	

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.

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

Printed Name: Tom Bynum Title: EHS Consultant

Signature: Tom Bynum Date: 6/8/2020

email: tom.bynum@dvn.com Telephone: 575-748-0176

OCD Only

Received by: _____ Date: _____

Incident ID	nAB1511729624
District RP	2RP-2966
Facility ID	
Application ID	

Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ 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)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Tom Bynum Title: EHS Consultant

Signature: Tom Bynum Date: 6/8/2020

email: tom.bynum@dvn.com Telephone: 575-748-0176

OCD Only

Received by: OCD Date: 7/8/2020

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: Ashley Maxwell Date: 12/22/2022

Printed Name: Ashley Maxwell Title: Environmental Specialist



Attachment C
Laboratory Analytical Reports



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

April 13, 2020

Tom Bynum

Devon Energy

6488 Seven Rivers Highway

Artesia, NM 88210

TEL: (575) 748-0176

FAX:

RE: Cotton Draw 172H April 2015

OrderNo.: 2004243

Dear Tom Bynum:

Hall Environmental Analysis Laboratory received 5 sample(s) on 4/7/2020 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2004243

Date Reported: 4/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: SP1

Project: Cotton Draw 172H April 2015

Collection Date: 4/3/2020 9:21:00 AM

Lab ID: 2004243-001

Matrix: SOIL

Received Date: 4/7/2020 8:28:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/8/2020 12:18:51 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/8/2020 12:18:51 PM
Surr: DNOP	63.7	55.1-146		%Rec	1	4/8/2020 12:18:51 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/9/2020 6:02:39 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	4/8/2020 11:32:38 PM
Toluene	ND	0.047		mg/Kg	1	4/8/2020 11:32:38 PM
Ethylbenzene	ND	0.047		mg/Kg	1	4/8/2020 11:32:38 PM
Xylenes, Total	ND	0.094		mg/Kg	1	4/8/2020 11:32:38 PM
Surr: 1,2-Dichloroethane-d4	92.6	70-130		%Rec	1	4/8/2020 11:32:38 PM
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	4/8/2020 11:32:38 PM
Surr: Dibromofluoromethane	95.9	70-130		%Rec	1	4/8/2020 11:32:38 PM
Surr: Toluene-d8	99.1	70-130		%Rec	1	4/8/2020 11:32:38 PM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/8/2020 11:32:38 PM
Surr: BFB	99.5	70-130		%Rec	1	4/8/2020 11:32:38 PM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 1 of 9

Analytical Report

Lab Order 2004243

Date Reported: 4/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: SP2

Project: Cotton Draw 172H April 2015

Collection Date: 4/3/2020 9:24:00 AM

Lab ID: 2004243-002

Matrix: SOIL

Received Date: 4/7/2020 8:28:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/8/2020 12:40:58 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/8/2020 12:40:58 PM
Surr: DNOP	55.6	55.1-146		%Rec	1	4/8/2020 12:40:58 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/9/2020 6:14:58 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	4/9/2020 12:01:47 AM
Toluene	ND	0.049		mg/Kg	1	4/9/2020 12:01:47 AM
Ethylbenzene	ND	0.049		mg/Kg	1	4/9/2020 12:01:47 AM
Xylenes, Total	ND	0.099		mg/Kg	1	4/9/2020 12:01:47 AM
Surr: 1,2-Dichloroethane-d4	94.0	70-130		%Rec	1	4/9/2020 12:01:47 AM
Surr: 4-Bromofluorobenzene	95.2	70-130		%Rec	1	4/9/2020 12:01:47 AM
Surr: Dibromofluoromethane	97.6	70-130		%Rec	1	4/9/2020 12:01:47 AM
Surr: Toluene-d8	98.4	70-130		%Rec	1	4/9/2020 12:01:47 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/9/2020 12:01:47 AM
Surr: BFB	99.0	70-130		%Rec	1	4/9/2020 12:01:47 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 2 of 9

Analytical Report

Lab Order 2004243

Date Reported: 4/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: SP3

Project: Cotton Draw 172H April 2015

Collection Date: 4/3/2020 9:26:00 AM

Lab ID: 2004243-003

Matrix: SOIL

Received Date: 4/7/2020 8:28:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: JME
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	4/9/2020 1:43:00 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/9/2020 1:43:00 PM
Surr: DNOP	97.1	55.1-146		%Rec	1	4/9/2020 1:43:00 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	59		mg/Kg	20	4/9/2020 6:27:19 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	4/9/2020 12:30:59 AM
Toluene	ND	0.048		mg/Kg	1	4/9/2020 12:30:59 AM
Ethylbenzene	ND	0.048		mg/Kg	1	4/9/2020 12:30:59 AM
Xylenes, Total	ND	0.097		mg/Kg	1	4/9/2020 12:30:59 AM
Surr: 1,2-Dichloroethane-d4	92.7	70-130		%Rec	1	4/9/2020 12:30:59 AM
Surr: 4-Bromofluorobenzene	96.7	70-130		%Rec	1	4/9/2020 12:30:59 AM
Surr: Dibromofluoromethane	94.2	70-130		%Rec	1	4/9/2020 12:30:59 AM
Surr: Toluene-d8	98.7	70-130		%Rec	1	4/9/2020 12:30:59 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/9/2020 12:30:59 AM
Surr: BFB	98.7	70-130		%Rec	1	4/9/2020 12:30:59 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2004243

Date Reported: 4/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: SP4

Project: Cotton Draw 172H April 2015

Collection Date: 4/3/2020 9:27:00 AM

Lab ID: 2004243-004

Matrix: SOIL

Received Date: 4/7/2020 8:28:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: JME
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/9/2020 2:07:08 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/9/2020 2:07:08 PM
Surr: DNOP	90.0	55.1-146		%Rec	1	4/9/2020 2:07:08 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/9/2020 6:39:39 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	4/9/2020 1:00:52 AM
Toluene	ND	0.047		mg/Kg	1	4/9/2020 1:00:52 AM
Ethylbenzene	ND	0.047		mg/Kg	1	4/9/2020 1:00:52 AM
Xylenes, Total	ND	0.094		mg/Kg	1	4/9/2020 1:00:52 AM
Surr: 1,2-Dichloroethane-d4	92.2	70-130		%Rec	1	4/9/2020 1:00:52 AM
Surr: 4-Bromofluorobenzene	96.3	70-130		%Rec	1	4/9/2020 1:00:52 AM
Surr: Dibromofluoromethane	93.9	70-130		%Rec	1	4/9/2020 1:00:52 AM
Surr: Toluene-d8	97.9	70-130		%Rec	1	4/9/2020 1:00:52 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/9/2020 1:00:52 AM
Surr: BFB	98.3	70-130		%Rec	1	4/9/2020 1:00:52 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2004243

Date Reported: 4/13/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy

Client Sample ID: SP5

Project: Cotton Draw 172H April 2015

Collection Date: 4/3/2020 9:31:00 AM

Lab ID: 2004243-005

Matrix: SOIL

Received Date: 4/7/2020 8:28:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: JME
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/9/2020 2:31:17 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/9/2020 2:31:17 PM
Surr: DNOP	97.3	55.1-146		%Rec	1	4/9/2020 2:31:17 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/9/2020 6:52:00 AM
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	4/9/2020 1:30:18 AM
Toluene	ND	0.050		mg/Kg	1	4/9/2020 1:30:18 AM
Ethylbenzene	ND	0.050		mg/Kg	1	4/9/2020 1:30:18 AM
Xylenes, Total	ND	0.099		mg/Kg	1	4/9/2020 1:30:18 AM
Surr: 1,2-Dichloroethane-d4	89.2	70-130		%Rec	1	4/9/2020 1:30:18 AM
Surr: 4-Bromofluorobenzene	95.7	70-130		%Rec	1	4/9/2020 1:30:18 AM
Surr: Dibromofluoromethane	90.1	70-130		%Rec	1	4/9/2020 1:30:18 AM
Surr: Toluene-d8	98.0	70-130		%Rec	1	4/9/2020 1:30:18 AM
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/9/2020 1:30:18 AM
Surr: BFB	99.9	70-130		%Rec	1	4/9/2020 1:30:18 AM

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2004243

13-Apr-20

Client: Devon Energy**Project:** Cotton Draw 172H April 2015

Sample ID: MB-51665	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 51665	RunNo: 67935								
Prep Date: 4/8/2020	Analysis Date: 4/9/2020	SeqNo: 2348884	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-51665	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 51665	RunNo: 67935								
Prep Date: 4/8/2020	Analysis Date: 4/9/2020	SeqNo: 2348885	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	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 Quantitative 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 6 of 9

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2004243

13-Apr-20

Client: Devon Energy**Project:** Cotton Draw 172H April 2015

Sample ID: LCS-51627	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 51627			RunNo: 67934						
Prep Date: 4/7/2020	Analysis Date: 4/8/2020			SeqNo: 2347744		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	10	50.00	0	81.7	70	130			
Surr: DNOP	3.6		5.000		71.9	55.1	146			

Sample ID: MB-51627	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 51627			RunNo: 67934						
Prep Date: 4/7/2020	Analysis Date: 4/8/2020			SeqNo: 2347745		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.3		10.00		72.5	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 Quantitative 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.**

WO#: 2004243

13-Apr-20

Client: Devon Energy**Project:** Cotton Draw 172H April 2015

Sample ID: Ics-51620	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 51620	RunNo: 67943								
Prep Date: 4/7/2020	Analysis Date: 4/8/2020	SeqNo: 2347872	Units: mg/Kg							
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	107	80	120			
Ethylbenzene	1.1	0.050	1.000	0	109	80	120			
Xylenes, Total	3.2	0.10	3.000	0	107	80	120			
Surr: 4-Bromofluorobenzene	0.50		0.5000		99.4	70	130			
Surr: Toluene-d8	0.51		0.5000		101	70	130			

Sample ID: mb-51620	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 51620	RunNo: 67943								
Prep Date: 4/7/2020	Analysis Date: 4/8/2020	SeqNo: 2347873	Units: mg/Kg							
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	0.44		0.5000		89.0	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		97.3	70	130			
Surr: Dibromofluoromethane	0.45		0.5000		90.5	70	130			
Surr: Toluene-d8	0.49		0.5000		98.8	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative 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

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2004243

13-Apr-20

Client: Devon Energy**Project:** Cotton Draw 172H April 2015

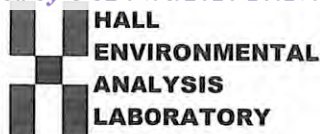
Sample ID: LCS-51620	SampType: LCS			TestCode: EPA Method 8015D Mod: Gasoline Range						
Client ID: LCSS	Batch ID: 51620			RunNo: 67943						
Prep Date: 4/7/2020	Analysis Date: 4/8/2020			SeqNo: 2347879		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.8	70	130			
Surr: BFB	490		500.0		99.0	70	130			

Sample ID: mb-51620	SampType: MBLK			TestCode: EPA Method 8015D Mod: Gasoline Range						
Client ID: PBS	Batch ID: 51620			RunNo: 67943						
Prep Date: 4/7/2020	Analysis Date: 4/8/2020			SeqNo: 2347880		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	490		500.0		97.2	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative 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



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

Sample Log-In Check List

Client Name: **DEVON ENERGY**Work Order Number: **2004243**

RcptNo: 1

Received By: **Juan Rojas**

4/7/2020 8:28:00 AM

*Juan Rojas*Completed By: **Leah Baca**

4/7/2020 9:28:58 AM

*Leah Baca*Reviewed By: *LB**4/7/20*

Chain of Custody

1. Is Chain of Custody sufficiently complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Client

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
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? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
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 ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: *DAD 4/7/20*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.5	Good				
2	2.5	Good				

Chain-of-Custody Record

Client: Devon Energy
Tom Bynum
Mailing Address: 6498 Seven Rivers Hwy
Artesia NM 88211
Phone #: 586-748-1613
email or Fax#: tom.bynum@devn.com
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other _____
☐ EDD (Type) _____

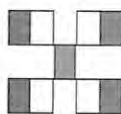
Turn-Around Time:	5 day Turn
<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Rush
Project Name:	Cotton Draw 172H April 2015
Project #:	20837067
Project Manager:	Tom Bynum
Sampler:	T. Elwell (HRL)
On Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
# of Coolers:	2

Date	Time	Matrix	Sample Name
4/3/20	09:21	Soil	SP1
4/3/20	09:24	Soil	SP2
4/3/20	09:26	Soil	SP3
4/3/20	09:27	Soil	SP4
4/3/20	09:31	Soil	SP5

[illegible]

Date:	11/6/20	Time:	1330	Relinquished by:	Tandy Elliot
Date:	11/6/20	Time:	1400	Relinquished by:	[Signature]

If necessary, samples submitted to Hall Environmental may be subco



**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

[illegible]

Remarks: Please send Report to Taylor
Elwell + Julie Linn @
telwell@hrcomp.com and jlinn@hrcomp.com

necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical 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

CONDITIONS

Action 9122

CONDITIONS

Operator: Pima Environmental Services, LLC 5614 N Lovington Hwy Hobbs, NM 88240	OGRID: 329999
	Action Number: 9122
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	None	12/22/2022