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## Site Assessment and Closure Report

Cotton Draw Unit #290H  
Eddy County, NM  
API# 30-015-43265  
2RP-3522

### Prepared For:

Devon Energy Production Company  
6488 Seven Rivers Highway  
Artesia, NM 88210

### Prepared By:

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

**April 29, 2020**

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Mr. Mike Bratcher  
**NMOCD District 2**  
811 S. 1<sup>st</sup> Street  
Artesia, NM 88210

Subject: **Site Assessment and Closure Report**  
Cotton Draw Unit #290H  
API# 30-015-43265  
2RP-3522

Dear Mr. Bratcher,

Devon Energy Production Company (Devon Energy) contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above-referenced location. The results of our site characterization and closure request are contained herein.

### Site Information

Cotton Draw Unit #290H is located approximately thirty-four (34) miles southeast of Carlsbad, New Mexico. The legal location for this release is Unit Letter A, Section 36, Township 24 South and Range 31 East in Eddy County, New Mexico. More specifically, the latitude and longitude for the release are 32.1805389 North and -103.7258428 West. A site plan is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Pajarito loamy fine sand, 0 to 3 percent slopes. See [Appendix II](#) for the referenced soil survey. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology are eolian and piedmont deposits, Holocene to middle Pleistocene in age. Drainage courses in this area are well-drained.

### Ground Water and Site Characterization

The New Mexico Office of the State Engineer Database indicates the reported nearest depth to groundwater is 868-feet below ground surface (BGS). See [Appendix II](#) for the referenced groundwater depth. This site is not located within a high potential Karst area.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred less than 50 feet to the groundwater in Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 NMAC.

<b>Approximate Depth to Groundwater</b>	<b>868 Feet/BGS</b>
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- ☐ Yes ☒ No Within 300 feet of any continuously flowing watercourse or any other significant watercourse
- ☐ Yes ☒ No Within 200 feet of any lakebed, sinkhole or playa lake
- ☐ Yes ☒ No Within 300 feet from an occupied permanent residence, school, hospital, institution or church
- ☐ Yes ☒ No Within 500 feet of a spring or a private, domestic freshwater well used by less than five households for domestic or stock watering purposes
- ☐ Yes ☒ No Within 1000 feet of any freshwater well or spring
- ☐ Yes ☒ No Within incorporated municipal boundaries or within a defined Municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
- ☐ Yes ☒ No Within 300 feet of a wetland
- ☐ Yes ☒ No Within the area overlying a subsurface mine
- ☐ Yes ☒ No Within an unstable area
- ☐ Yes ☒ No Within a 100-year floodplain

Because the release did not occur in any of these areas and the depth to groundwater is greater than 100-feet in-depth, based on the site characterization data, the cleanup criteria for this site are as follows.

Table I Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Method	Limit
>100 feet	Total Chlorides	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

## Incident Description

On January 1, 2016, a frac job was completed on this well and one of the employees failed to close an 8 inch valve on the frac tank manifold. This resulted in a release of approximately 60 barrels (bbls) of treated produced water. A vac truck was dispatched and was able to recover approximately 50 bbls. All fluids stayed on location. Remediation order 2RP-3522 was assigned to this incident.

## Site Assessment

On April 6, 2020, Talon mobilized personnel to the site conducting a site assessment and collecting soil samples. Sample locations are shown on the attached site map and the results of our sampling event are presented in the following data table.

### 4-6-19 Soil Sample Laboratory Results

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO combined = 1000 mg/kg			2500 mg/kg	10,000 mg/kg
S-1	4/6/2020	1	ND	ND	ND	ND	ND	ND	ND
		1.5	ND	ND	ND	ND	ND	ND	ND
		2	ND	ND	ND	ND	ND	ND	120
S-2		1	ND	ND	ND	ND	ND	ND	ND
S-3		1	ND	ND	ND	ND	ND	ND	89
		2	ND	ND	ND	ND	ND	ND	160
S-4		1	ND	ND	ND	ND	ND	ND	180
		2	ND	ND	ND	ND	ND	ND	190
		3	ND	ND	ND	ND	ND	ND	180
S-5		1	ND	ND	ND	ND	ND	ND	250
		2	ND	ND	ND	ND	ND	ND	160
S-6		1	ND	ND	ND	ND	ND	ND	320
		2	ND	ND	ND	ND	ND	ND	94
		3	ND	ND	ND	ND	ND	ND	ND
S-7		1	ND	ND	ND	ND	ND	ND	930
		2	ND	ND	ND	ND	ND	ND	2500
S-8		1	ND	ND	ND	ND	ND	ND	490
		2	ND	ND	ND	ND	ND	ND	170
		3	ND	ND	ND	ND	ND	ND	ND
S-9		1	ND	ND	ND	ND	ND	ND	210
		2	ND	ND	ND	ND	ND	ND	140
		3	ND	ND	ND	ND	ND	ND	ND

ND= Analyte Not Detected

A complete laboratory report can be found in [Appendix IV](#).

## Remedial Actions

- Based upon the results of our sampling event, none of the analytical results exceeded the NMOCD clean up criteria for this site. Therefore there was no need for soil remediation activities.

## Closure

Based on this site characterization and analytical results, we respectfully request that no further actions be required at this time and that closure with regard to incident 2RP-3522 be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-746-8768.

Respectfully submitted,

TALON/LPE



Chris K. Jones  
Project Manager

David J. Adkins

Digitally signed by David J. Adkins  
DN: cn=David J. Adkins, ou=Talon/  
LPE, email=adkins@talonlpe.com,  
c=US  
Date: 2020.04.29 13:04:02 -0500

David J. Adkins  
District Manager

### Attachments:

- Appendix I Site Map, Karst Map, TOPO Map & Locator Map
- Appendix II Soil Survey, Groundwater Data & FEMA Flood Zone
- Appendix III Initial & Final C-141
- Appendix IV Laboratory Data



# **APPENDIX I**

**SITE MAP**

**KARST MAP**

**TOPO MAP**



**LOCATION MAP**

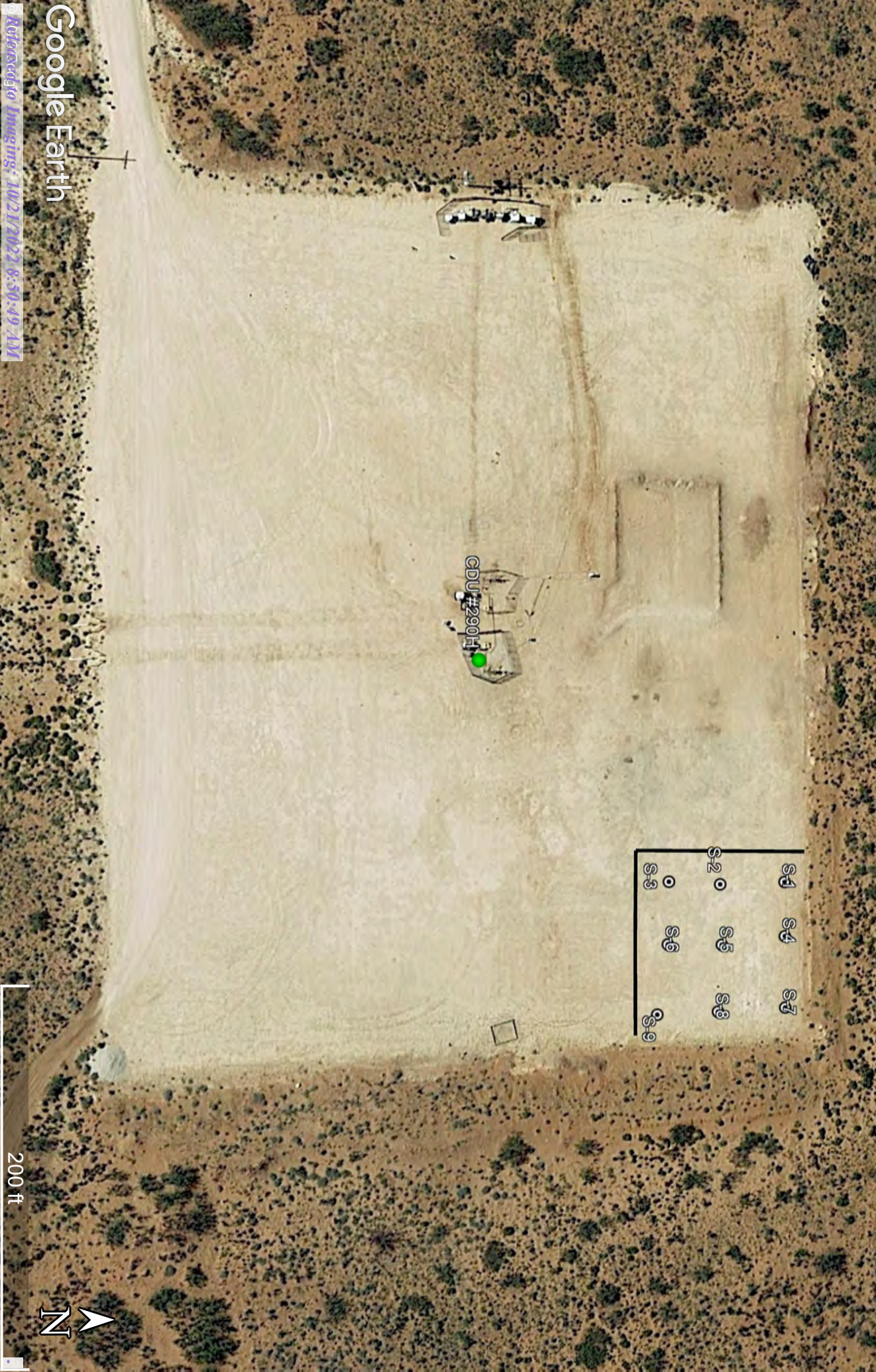


# Cotton Draw Unit #290H

Devon Energy Production Company  
Eddy County, NM  
API 30-015-43265  
Site Map

## Legend

-  100' x 100' Sample Area
-  Samples



Google Earth

© 2020 Google Imagery: 10/21/2022 6:50:49 AM



200 ft



# Cotton Draw Unit #290H

Devon Energy Production Company  
Eddy County, NM  
API 30-015-43265  
Karst Map

## Legend

- High
- Low
- Medium

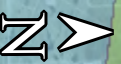
CDU #290H

Google Earth

© 2020 Google

Released to Imaging: 10/21/2022 8:50:49 AM

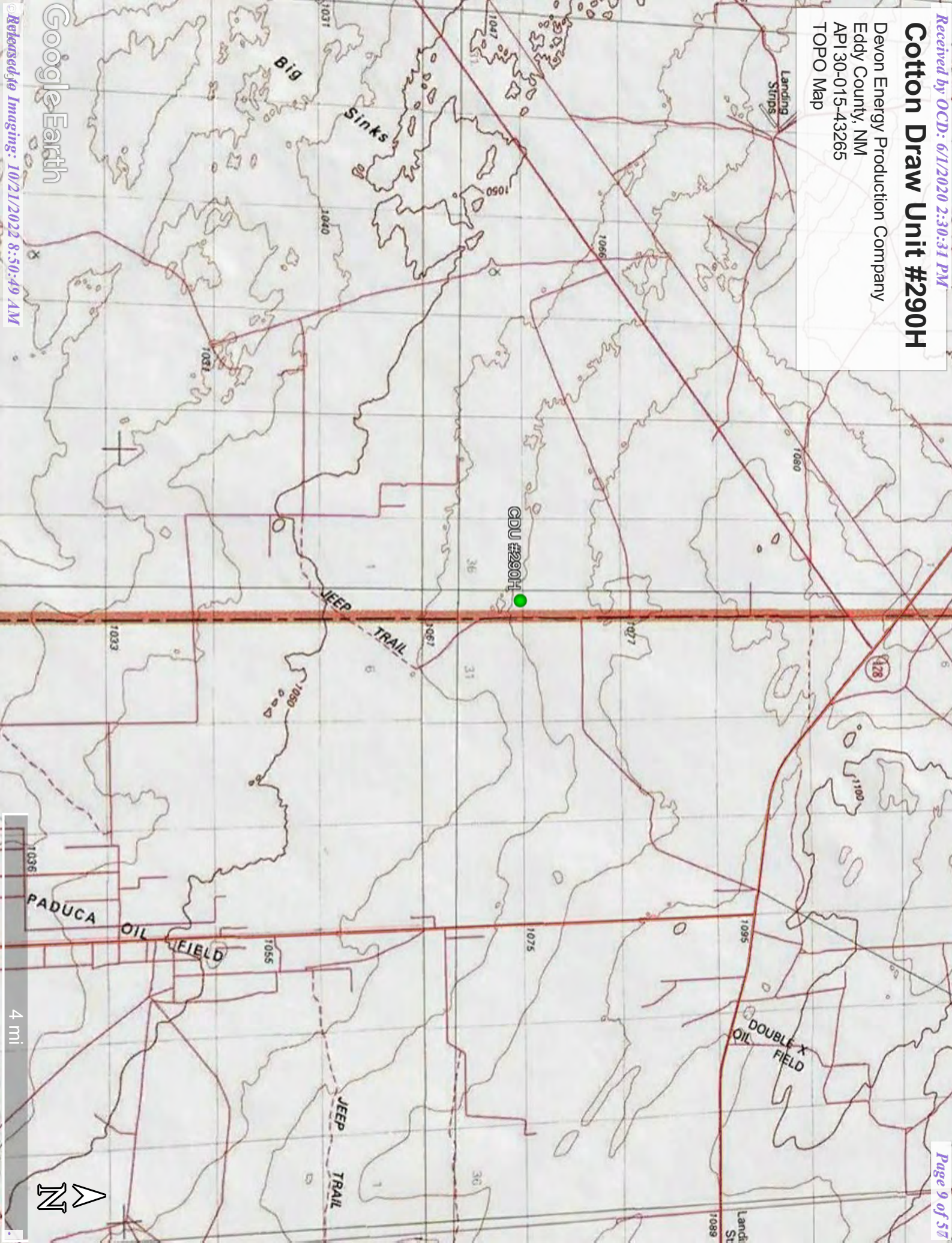
8 mi





# Cotton Draw Unit #290H

Devon Energy Production Company  
Eddy County, NM  
API 30-015-43265  
TOPO Map

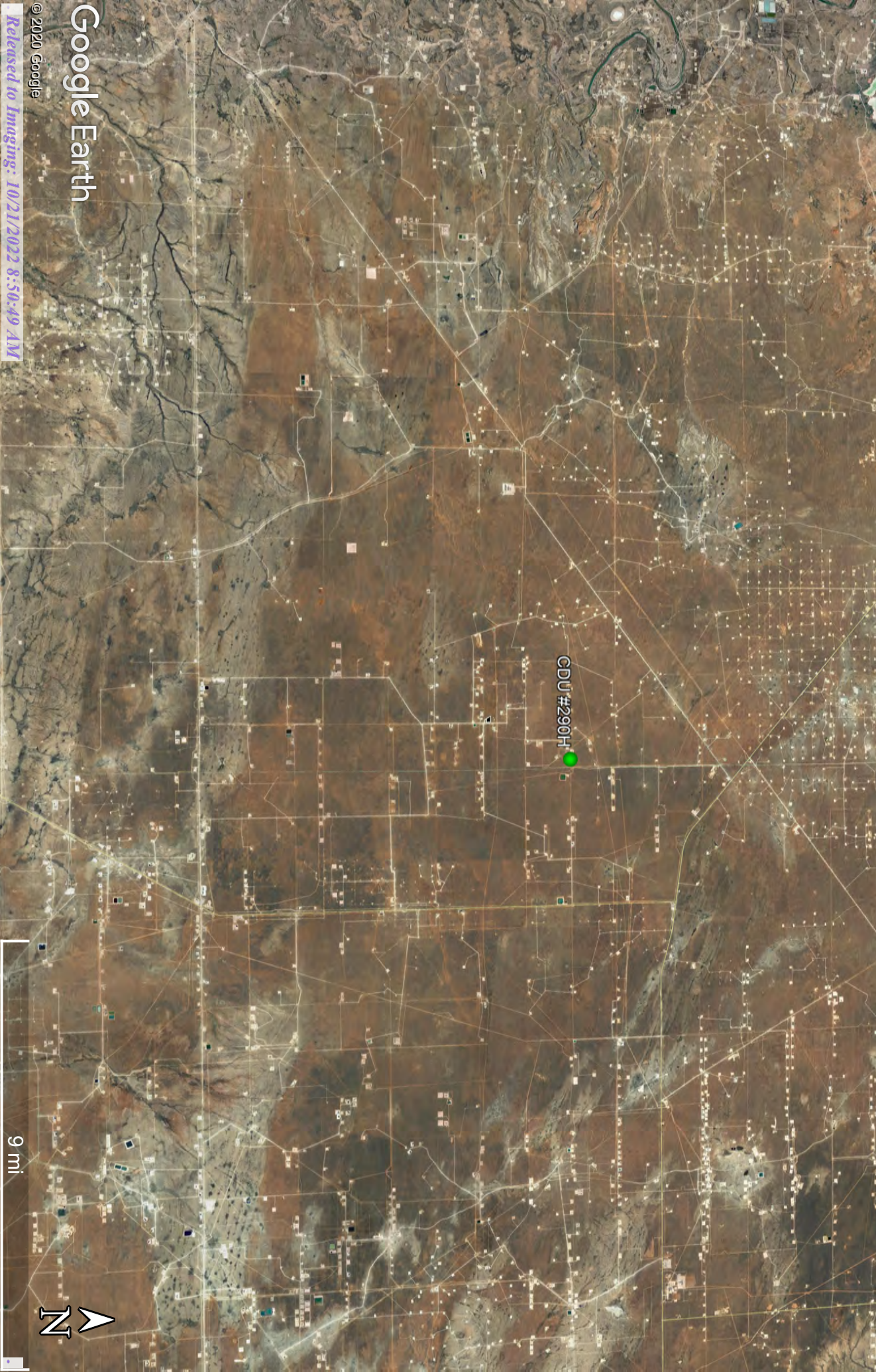


Google Earth



# Cotton Draw Unit #290H

Devon Energy Production Company  
Eddy County, NM  
API 30-015-43265  
Location Map

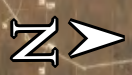


Google Earth

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Released to Imaging: 10/21/2022 8:50:49 AM

9 mi







## **APPENDIX II**

# **GROUNDWATER DATA**

# **SOIL SURVEY**

# **FEMA FLOOD ZONE**





# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,  
O=orphaned,

C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Sub-basin	County	Q 6	Q 4	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">C 02572</a>		CUB	ED	4	2	2	02	25S	31E	618695	3559294*	2346	852		
<a href="#">C 02568</a>		CUB	ED	4	3	1	01	25S	31E	619103	3558892*	2483	1025		
<a href="#">C 02571</a>		CUB	ED	4	1	2	02	25S	31E	618292	3559294*	2610	860		
<a href="#">C 02574</a>		CUB	ED	1	1	2	02	25S	31E	618092	3559494*	2623			
<a href="#">C 02573</a>		CUB	ED	1	4	2	02	25S	31E	618499	3559091*	2626			
<a href="#">C 02569</a>		CUB	ED	4	4	2	02	25S	31E	618699	3558891*	2675	1016		
<a href="#">C 02570</a>		CUB	ED	4	2	4	02	25S	31E	618704	3558489*	3021	895		
<a href="#">C 03830 POD1</a>		CUB	ED	4	2	4	02	25S	31E	618632	3558432	3104	450		
<a href="#">C 04388 POD1</a>		C	ED	3	2	1	23	24S	31E	617546	3564006	3838	910	868	42

Average Depth to Water: **868 feet**

Minimum Depth: **868 feet**

Maximum Depth: **868 feet**

Record Count: 9

Count:

UTM NAD83 Radius Search (in meters):

Easting (X): 620119.727

Northing (Y): 3561158.178

Radius: 4000

\*UTM location was derived from PLSS - see Help

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

3/27/20 2:19 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Map Unit Description: Pajarito loamy fine sand, 0 to 3 percent slopes, eroded—Eddy Area,  
New Mexico

---

## Eddy Area, New Mexico

### PA—Pajarito loamy fine sand, 0 to 3 percent slopes, eroded

#### Map Unit Setting

*National map unit symbol:* 1w54

*Elevation:* 2,700 to 5,500 feet

*Mean annual precipitation:* 5 to 15 inches

*Mean annual air temperature:* 57 to 70 degrees F

*Frost-free period:* 180 to 250 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Pajarito and similar soils:* 98 percent

*Minor components:* 2 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Pajarito

##### Setting

*Landform:* Dunes, interdunes, plains

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex, linear

*Across-slope shape:* Convex, linear

*Parent material:* Mixed alluvium and/or eolian sands

##### Typical profile

*H1 - 0 to 13 inches:* loamy fine sand

*H2 - 13 to 36 inches:* fine sandy loam

*H3 - 36 to 60 inches:* fine sandy loam

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Very low

*Capacity of the most limiting layer to transmit water (Ksat):* High  
(2.00 to 6.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 15 percent

*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 1.0

*Available water storage in profile:* Moderate (about 7.9 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 2e

*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group:* A



Map Unit Description: Pajarito loamy fine sand, 0 to 3 percent slopes, eroded---Eddy Area,  
New Mexico

---

*Ecological site:* Loamy Sand (R042XC003NM)

*Hydric soil rating:* No

#### **Minor Components**

##### **Wink**

*Percent of map unit:* 1 percent

*Ecological site:* Loamy Sand (R042XC003NM)

*Hydric soil rating:* No

##### **Berino**

*Percent of map unit:* 1 percent

*Ecological site:* Loamy Sand (R042XC003NM)

*Hydric soil rating:* No

### **Data Source Information**

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 15, Sep 15, 2019





# National Flood Hazard Layer FIRMette



2°11'5.16"N



## Legend

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

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

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

OTHER AREAS	NO SCREEN Effective LOMRs Area of Undetermined Flood Hazard Zone I Channel, Culvert, or Storm Sewer Levee, Dike, or Floodwall
-------------	---

GENERAL STRUCTURES	20.2 17.5 Water Surface Elevation Coastal Transect Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary Coastal Transect Baseline Profile Baseline Hydrographic Feature
--------------------	--

OTHER FEATURES	Digital Data Available No Digital Data Available Unmapped
----------------	---

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

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards. The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/27/2020 at 4:21:08 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time. This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRW panel number, and FIRW effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.





# **APPENDIX III**

**INITIAL C-141**

**&**

**FINAL 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

ARTESIA DISTRICT

Form C-141

Revised August 8, 2011

JAN 27 2016

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

RECEIVED

## Release Notification and Corrective Action

**OPERATOR** ☒ Initial Report ☐ Final Report

Name of Company: **Devon Energy Production Co LP** (6137) **10137** Contact: **Danny Velo, Devon Completions Foreman**

Address: **PO Box 250 Artesia, NM 88211** Telephone No. **575-703-3360**

Facility Name: **Cotton Draw Unit #290H** Facility Type: **Oil well**

Surface Owner: **State** Mineral Owner: **State** API No. **30-015-43265**

## LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	36	24S	31E	200	NORTH	890	EAST	EDDY

Latitude: 32.1805389 Longitude: -103.7258428

## NATURE OF RELEASE

Type of Release: **Treated Produced Water** Volume of Release: **60 barrels** Volume Recovered: **50 barrels**

Source of Release: **Tank manifold valve** Date and Hour of Occurrence: **1/25/2016; 6:00 AM** Date and Hour of Discovery: **1/25/2016; 2:30 PM**

Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required If YES, To Whom? **Mike Bratcher - OCD**

By Whom? **Danny Velo, Devon Completions Foreman** Date and Hour: **1/25/2016; 6:14 PM**

Was a Watercourse Reached? ☐ Yes ☒ No If YES, Volume Impacting the Watercourse: **NA**

If a Watercourse was Impacted, Describe Fully.\* **NA**

## Describe Cause of Problem and Remedial Action Taken.\*

After completing a frac job on location, a frac hand failed to properly shut an 8 inch valve on the frac tank manifold, causing a spill of treated produced water. When the spill was found, the valve was shut immediately to prevent further release.

## Describe Area Affected and Cleanup Action Taken.\*

Approximately 60 barrels of treated produced water spilled on to the NW side of the well pad in between the frac tanks. The spill was approximately 15' x 35' and did not leave location because a dirt berm surrounded the frac tanks. A vacuum truck was able to recover 50 barrels of the treated produced water. An environmental company will be called to test the spill area when completions operations have moved off of location and they will create a remediation plan for submittal.

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: *Denise Menoud* **OIL CONSERVATION DIVISION**

Printed Name: **Denise Menoud** Approved by Environmental Specialist: *[Signature]*

Title: **Field Admin Support** Approval Date: **1/29/16** Expiration Date: **N/A**

E-mail Address: **Denise.Menoud@dvn.com** Conditions of Approval: **Remediation per O.C.D. Rules & Guidelines** Attached ☐

Date: **1/26/2016** Phone: **575-746-5544** **SUBMIT REMEDIATION PROPOSAL NO**

\* Attach Additional Sheets If Necessary

LATER THAN: **3/11/16**

2RP-3522



District I  
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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 April 3, 2017

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: Amanda Davis
Address: 6488 Seven Rivers Hwy Artesia, NM 88220	Telephone No. 575-748-0176
Facility Name: Cotton Draw Unit #290H	Facility Type: Oil Well
Surface Owner: State	Mineral Owner: State
API No. 30-015-43265	

### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	36	24S	31E	200	North	890	East	Eddy

Latitude 32.1805389 Longitude -103.7258428 NAD83

### NATURE OF RELEASE

Type of Release: Treated Produced Water	Volume of Release: 60 BBLS	Volume Recovered: 50 BBLS
Source of Release: Tank Manifold Valve	Date and Hour of Occurrence 1-25-16 @ 6:00 am	Date and Hour of Discovery 1-25-16 @ 2:30 pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mike Bratcher/NMOCD	
By Whom? Danny Velo- Devon Completions Foreman	Date and Hour: 1-25-16 @ 6:14 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. A frac employee failed to properly close an 8" valve on the manifold resulting in the release. A vac truck was dispatched to recover the spilled fluids.		
Describe Area Affected and Cleanup Action Taken. The release affected the NW area of the location in an area of about 15'x35'. Talon assessed and sampled the NW part of the location and sampled an area of 100'x100'. The laboratory results resulted in all levels being under NMOCD closure criteria.		
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>Chris Jones</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Chris Jones		
Title: Environmental Project Manager	Approval Date:	Expiration Date:
E-mail Address: cjones@talonlpe.com	Conditions of Approval:	
Date: 4/20/20 Phone: 575-748-7168	Attached <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary



## **APPENDIX IV**

# **LABORATORY DATA**



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

April 14, 2020

Chris Jones  
Talon Artesia  
408 West Texas Ave  
Artesia, NM 88210  
TEL:  
FAX

RE: Cotton Draw 290

OrderNo.: 2004395

Dear Chris Jones:

Hall Environmental Analysis Laboratory received 22 sample(s) on 4/9/2020 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](http://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 2004395

Date Reported: 4/14/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-1 @ 1'

Project: Cotton Draw 290

Collection Date: 4/6/2020

Lab ID: 2004395-001

Matrix: SOIL

Received Date: 4/9/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/11/2020 2:02:41 PM	51727
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/10/2020 11:27:09 AM	51695
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/10/2020 11:27:09 AM	51695
Surr: DNOP	99.1	55.1-146		%Rec	1	4/10/2020 11:27:09 AM	51695
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/11/2020 11:30:28 PM	51686
Surr: BFB	102	66.6-105		%Rec	1	4/11/2020 11:30:28 PM	51686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	4/11/2020 11:30:28 PM	51686
Toluene	ND	0.049		mg/Kg	1	4/11/2020 11:30:28 PM	51686
Ethylbenzene	ND	0.049		mg/Kg	1	4/11/2020 11:30:28 PM	51686
Xylenes, Total	ND	0.099		mg/Kg	1	4/11/2020 11:30:28 PM	51686
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	4/11/2020 11:30:28 PM	51686

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

<b>Qualifiers:</b>	*	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		

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## Analytical Report

Lab Order 2004395

Date Reported: 4/14/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-1 @ 1.5'

Project: Cotton Draw 290

Collection Date: 4/6/2020

Lab ID: 2004395-002

Matrix: SOIL

Received Date: 4/9/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/11/2020 2:15:01 PM	51727
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	4/10/2020 12:38:59 PM	51695
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/10/2020 12:38:59 PM	51695
Surr: DNOP	99.7	55.1-146		%Rec	1	4/10/2020 12:38:59 PM	51695
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/11/2020 11:54:22 PM	51686
Surr: BFB	104	66.6-105		%Rec	1	4/11/2020 11:54:22 PM	51686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/11/2020 11:54:22 PM	51686
Toluene	ND	0.048		mg/Kg	1	4/11/2020 11:54:22 PM	51686
Ethylbenzene	ND	0.048		mg/Kg	1	4/11/2020 11:54:22 PM	51686
Xylenes, Total	ND	0.096		mg/Kg	1	4/11/2020 11:54:22 PM	51686
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	4/11/2020 11:54:22 PM	51686

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

<b>Qualifiers:</b>	*	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		

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## Analytical Report

Lab Order 2004395

Date Reported: 4/14/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-2@1'

Project: Cotton Draw 290

Collection Date: 4/6/2020

Lab ID: 2004395-003

Matrix: SOIL

Received Date: 4/9/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/11/2020 2:27:22 PM	51727
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/10/2020 1:02:58 PM	51695
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/10/2020 1:02:58 PM	51695
Surr: DNOP	99.1	55.1-146		%Rec	1	4/10/2020 1:02:58 PM	51695
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/12/2020 12:18:15 AM	51686
Surr: BFB	102	66.6-105		%Rec	1	4/12/2020 12:18:15 AM	51686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	4/12/2020 12:18:15 AM	51686
Toluene	ND	0.049		mg/Kg	1	4/12/2020 12:18:15 AM	51686
Ethylbenzene	ND	0.049		mg/Kg	1	4/12/2020 12:18:15 AM	51686
Xylenes, Total	ND	0.099		mg/Kg	1	4/12/2020 12:18:15 AM	51686
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	4/12/2020 12:18:15 AM	51686

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

<b>Qualifiers:</b>	*	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		

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## Analytical Report

Lab Order 2004395

Date Reported: 4/14/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-3@2'

Project: Cotton Draw 290

Collection Date: 4/6/2020

Lab ID: 2004395-004

Matrix: SOIL

Received Date: 4/9/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	160	60		mg/Kg	20	4/11/2020 2:39:43 PM	51727
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/10/2020 1:26:57 PM	51695
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/10/2020 1:26:57 PM	51695
Surr: DNOP	95.3	55.1-146		%Rec	1	4/10/2020 1:26:57 PM	51695
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/12/2020 12:42:02 AM	51686
Surr: BFB	101	66.6-105		%Rec	1	4/12/2020 12:42:02 AM	51686
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/12/2020 12:42:02 AM	51686
Toluene	ND	0.049		mg/Kg	1	4/12/2020 12:42:02 AM	51686
Ethylbenzene	ND	0.049		mg/Kg	1	4/12/2020 12:42:02 AM	51686
Xylenes, Total	ND	0.098		mg/Kg	1	4/12/2020 12:42:02 AM	51686
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	4/12/2020 12:42:02 AM	51686

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

<b>Qualifiers:</b>	*	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		

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## Analytical Report

Lab Order 2004395

Date Reported: 4/14/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-3@1'

Project: Cotton Draw 290

Collection Date: 4/6/2020

Lab ID: 2004395-005

Matrix: SOIL

Received Date: 4/9/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	89	61		mg/Kg	20	4/11/2020 2:52:04 PM	51727
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/10/2020 1:50:57 PM	51695
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/10/2020 1:50:57 PM	51695
Surr: DNOP	98.1	55.1-146		%Rec	1	4/10/2020 1:50:57 PM	51695
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/12/2020 3:04:46 AM	51694
Surr: BFB	98.8	66.6-105		%Rec	1	4/12/2020 3:04:46 AM	51694
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/12/2020 3:04:46 AM	51694
Toluene	ND	0.048		mg/Kg	1	4/12/2020 3:04:46 AM	51694
Ethylbenzene	ND	0.048		mg/Kg	1	4/12/2020 3:04:46 AM	51694
Xylenes, Total	ND	0.095		mg/Kg	1	4/12/2020 3:04:46 AM	51694
Surr: 4-Bromofluorobenzene	98.8	80-120		%Rec	1	4/12/2020 3:04:46 AM	51694

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

<b>Qualifiers:</b>	*	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		

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## Analytical Report

Lab Order 2004395

Date Reported: 4/14/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-4@3'

Project: Cotton Draw 290

Collection Date: 4/6/2020

Lab ID: 2004395-006

Matrix: SOIL

Received Date: 4/9/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	180	60		mg/Kg	20	4/11/2020 3:04:24 PM	51727
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/10/2020 2:14:53 PM	51695
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/10/2020 2:14:53 PM	51695
Surr: DNOP	68.1	55.1-146		%Rec	1	4/10/2020 2:14:53 PM	51695
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/12/2020 4:15:54 AM	51694
Surr: BFB	101	66.6-105		%Rec	1	4/12/2020 4:15:54 AM	51694
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	4/12/2020 4:15:54 AM	51694
Toluene	ND	0.050		mg/Kg	1	4/12/2020 4:15:54 AM	51694
Ethylbenzene	ND	0.050		mg/Kg	1	4/12/2020 4:15:54 AM	51694
Xylenes, Total	ND	0.099		mg/Kg	1	4/12/2020 4:15:54 AM	51694
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	4/12/2020 4:15:54 AM	51694

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

<b>Qualifiers:</b>	*	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		

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## Analytical Report

Lab Order 2004395

Date Reported: 4/14/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5@1'

Project: Cotton Draw 290

Collection Date: 4/6/2020

Lab ID: 2004395-007

Matrix: SOIL

Received Date: 4/9/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	250	60		mg/Kg	20	4/11/2020 3:16:45 PM	51727
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/10/2020 2:38:47 PM	51695
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/10/2020 2:38:47 PM	51695
Surr: DNOP	89.2	55.1-146		%Rec	1	4/10/2020 2:38:47 PM	51695
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/12/2020 5:26:33 AM	51694
Surr: BFB	102	66.6-105		%Rec	1	4/12/2020 5:26:33 AM	51694
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/12/2020 5:26:33 AM	51694
Toluene	ND	0.047		mg/Kg	1	4/12/2020 5:26:33 AM	51694
Ethylbenzene	ND	0.047		mg/Kg	1	4/12/2020 5:26:33 AM	51694
Xylenes, Total	ND	0.095		mg/Kg	1	4/12/2020 5:26:33 AM	51694
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	4/12/2020 5:26:33 AM	51694

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

<b>Qualifiers:</b>	*	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		

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## Analytical Report

Lab Order 2004395

Date Reported: 4/14/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5@2'

Project: Cotton Draw 290

Collection Date: 4/6/2020

Lab ID: 2004395-008

Matrix: SOIL

Received Date: 4/9/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	160	60		mg/Kg	20	4/11/2020 3:29:06 PM	51727
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/10/2020 3:02:41 PM	51695
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/10/2020 3:02:41 PM	51695
Surr: DNOP	88.6	55.1-146		%Rec	1	4/10/2020 3:02:41 PM	51695
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/12/2020 5:50:03 AM	51694
Surr: BFB	96.6	66.6-105		%Rec	1	4/12/2020 5:50:03 AM	51694
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	4/12/2020 5:50:03 AM	51694
Toluene	ND	0.049		mg/Kg	1	4/12/2020 5:50:03 AM	51694
Ethylbenzene	ND	0.049		mg/Kg	1	4/12/2020 5:50:03 AM	51694
Xylenes, Total	ND	0.098		mg/Kg	1	4/12/2020 5:50:03 AM	51694
Surr: 4-Bromofluorobenzene	96.6	80-120		%Rec	1	4/12/2020 5:50:03 AM	51694

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

<b>Qualifiers:</b>	*	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		

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## Analytical Report

Lab Order 2004395

Date Reported: 4/14/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-6@1'

Project: Cotton Draw 290

Collection Date: 4/6/2020

Lab ID: 2004395-009

Matrix: SOIL

Received Date: 4/9/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	320	60		mg/Kg	20	4/11/2020 4:06:09 PM	51727
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	4/10/2020 3:26:39 PM	51695
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/10/2020 3:26:39 PM	51695
Surr: DNOP	86.4	55.1-146		%Rec	1	4/10/2020 3:26:39 PM	51695
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/12/2020 6:13:37 AM	51694
Surr: BFB	99.0	66.6-105		%Rec	1	4/12/2020 6:13:37 AM	51694
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	4/12/2020 6:13:37 AM	51694
Toluene	ND	0.049		mg/Kg	1	4/12/2020 6:13:37 AM	51694
Ethylbenzene	ND	0.049		mg/Kg	1	4/12/2020 6:13:37 AM	51694
Xylenes, Total	ND	0.098		mg/Kg	1	4/12/2020 6:13:37 AM	51694
Surr: 4-Bromofluorobenzene	99.5	80-120		%Rec	1	4/12/2020 6:13:37 AM	51694

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

<b>Qualifiers:</b>	*	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		

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## Analytical Report

Lab Order 2004395

Date Reported: 4/14/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-6@2'

Project: Cotton Draw 290

Collection Date: 4/6/2020

Lab ID: 2004395-010

Matrix: SOIL

Received Date: 4/9/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	94	60		mg/Kg	20	4/11/2020 4:18:30 PM	51727
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/10/2020 3:50:37 PM	51695
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/10/2020 3:50:37 PM	51695
Surr: DNOP	90.6	55.1-146		%Rec	1	4/10/2020 3:50:37 PM	51695
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/12/2020 6:37:11 AM	51694
Surr: BFB	97.8	66.6-105		%Rec	1	4/12/2020 6:37:11 AM	51694
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/12/2020 6:37:11 AM	51694
Toluene	ND	0.048		mg/Kg	1	4/12/2020 6:37:11 AM	51694
Ethylbenzene	ND	0.048		mg/Kg	1	4/12/2020 6:37:11 AM	51694
Xylenes, Total	ND	0.097		mg/Kg	1	4/12/2020 6:37:11 AM	51694
Surr: 4-Bromofluorobenzene	97.9	80-120		%Rec	1	4/12/2020 6:37:11 AM	51694

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

<b>Qualifiers:</b>	*	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		

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## Analytical Report

Lab Order 2004395

Date Reported: 4/14/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-6@3'

Project: Cotton Draw 290

Collection Date: 4/6/2020

Lab ID: 2004395-011

Matrix: SOIL

Received Date: 4/9/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/11/2020 4:30:53 PM	51727
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/10/2020 4:14:34 PM	51695
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/10/2020 4:14:34 PM	51695
Surr: DNOP	101	55.1-146		%Rec	1	4/10/2020 4:14:34 PM	51695
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/12/2020 7:00:48 AM	51694
Surr: BFB	97.1	66.6-105		%Rec	1	4/12/2020 7:00:48 AM	51694
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	4/12/2020 7:00:48 AM	51694
Toluene	ND	0.049		mg/Kg	1	4/12/2020 7:00:48 AM	51694
Ethylbenzene	ND	0.049		mg/Kg	1	4/12/2020 7:00:48 AM	51694
Xylenes, Total	ND	0.098		mg/Kg	1	4/12/2020 7:00:48 AM	51694
Surr: 4-Bromofluorobenzene	97.4	80-120		%Rec	1	4/12/2020 7:00:48 AM	51694

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

<b>Qualifiers:</b>	*	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		

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## Analytical Report

Lab Order 2004395

Date Reported: 4/14/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-7@1'

Project: Cotton Draw 290

Collection Date: 4/6/2020

Lab ID: 2004395-012

Matrix: SOIL

Received Date: 4/9/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	930	60		mg/Kg	20	4/11/2020 4:43:13 PM	51727
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/10/2020 4:38:27 PM	51695
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/10/2020 4:38:27 PM	51695
Surr: DNOP	87.0	55.1-146		%Rec	1	4/10/2020 4:38:27 PM	51695
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/12/2020 7:24:21 AM	51694
Surr: BFB	97.4	66.6-105		%Rec	1	4/12/2020 7:24:21 AM	51694
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/12/2020 7:24:21 AM	51694
Toluene	ND	0.048		mg/Kg	1	4/12/2020 7:24:21 AM	51694
Ethylbenzene	ND	0.048		mg/Kg	1	4/12/2020 7:24:21 AM	51694
Xylenes, Total	ND	0.096		mg/Kg	1	4/12/2020 7:24:21 AM	51694
Surr: 4-Bromofluorobenzene	98.2	80-120		%Rec	1	4/12/2020 7:24:21 AM	51694

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

<b>Qualifiers:</b>	*	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		

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## Analytical Report

Lab Order 2004395

Date Reported: 4/14/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-8@1'

Project: Cotton Draw 290

Collection Date: 4/6/2020

Lab ID: 2004395-013

Matrix: SOIL

Received Date: 4/9/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	490	60		mg/Kg	20	4/11/2020 5:44:57 PM	51736
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	4/10/2020 5:02:23 PM	51695
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/10/2020 5:02:23 PM	51695
Surr: DNOP	88.0	55.1-146		%Rec	1	4/10/2020 5:02:23 PM	51695
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/12/2020 7:47:54 AM	51694
Surr: BFB	97.2	66.6-105		%Rec	1	4/12/2020 7:47:54 AM	51694
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/12/2020 7:47:54 AM	51694
Toluene	ND	0.049		mg/Kg	1	4/12/2020 7:47:54 AM	51694
Ethylbenzene	ND	0.049		mg/Kg	1	4/12/2020 7:47:54 AM	51694
Xylenes, Total	ND	0.098		mg/Kg	1	4/12/2020 7:47:54 AM	51694
Surr: 4-Bromofluorobenzene	96.4	80-120		%Rec	1	4/12/2020 7:47:54 AM	51694

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

<b>Qualifiers:</b>	*	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		

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## Analytical Report

Lab Order 2004395

Date Reported: 4/14/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-8@2'

Project: Cotton Draw 290

Collection Date: 4/6/2020

Lab ID: 2004395-014

Matrix: SOIL

Received Date: 4/9/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	170	60		mg/Kg	20	4/11/2020 6:46:42 PM	51736
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/10/2020 5:26:29 PM	51695
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/10/2020 5:26:29 PM	51695
Surr: DNOP	87.3	55.1-146		%Rec	1	4/10/2020 5:26:29 PM	51695
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/12/2020 8:11:26 AM	51694
Surr: BFB	97.2	66.6-105		%Rec	1	4/12/2020 8:11:26 AM	51694
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/12/2020 8:11:26 AM	51694
Toluene	ND	0.049		mg/Kg	1	4/12/2020 8:11:26 AM	51694
Ethylbenzene	ND	0.049		mg/Kg	1	4/12/2020 8:11:26 AM	51694
Xylenes, Total	ND	0.097		mg/Kg	1	4/12/2020 8:11:26 AM	51694
Surr: 4-Bromofluorobenzene	96.8	80-120		%Rec	1	4/12/2020 8:11:26 AM	51694

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

<b>Qualifiers:</b>	*	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		

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## Analytical Report

Lab Order 2004395

Date Reported: 4/14/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-8@3'

Project: Cotton Draw 290

Collection Date: 4/6/2020

Lab ID: 2004395-015

Matrix: SOIL

Received Date: 4/9/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/11/2020 6:59:02 PM	51736
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/10/2020 5:50:29 PM	51695
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/10/2020 5:50:29 PM	51695
Surr: DNOP	58.0	55.1-146		%Rec	1	4/10/2020 5:50:29 PM	51695
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/12/2020 10:09:26 AM	51694
Surr: BFB	99.0	66.6-105		%Rec	1	4/12/2020 10:09:26 AM	51694
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	4/12/2020 10:09:26 AM	51694
Toluene	ND	0.050		mg/Kg	1	4/12/2020 10:09:26 AM	51694
Ethylbenzene	ND	0.050		mg/Kg	1	4/12/2020 10:09:26 AM	51694
Xylenes, Total	ND	0.099		mg/Kg	1	4/12/2020 10:09:26 AM	51694
Surr: 4-Bromofluorobenzene	99.4	80-120		%Rec	1	4/12/2020 10:09:26 AM	51694

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

<b>Qualifiers:</b>	*	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		

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## Analytical Report

Lab Order 2004395

Date Reported: 4/14/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-7@2'

Project: Cotton Draw 290

Collection Date: 4/6/2020

Lab ID: 2004395-016

Matrix: SOIL

Received Date: 4/9/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	2500	150		mg/Kg	50	4/14/2020 12:07:18 AM	51736
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	4/10/2020 6:14:25 PM	51695
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/10/2020 6:14:25 PM	51695
Surr: DNOP	83.5	55.1-146		%Rec	1	4/10/2020 6:14:25 PM	51695
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/12/2020 10:33:05 AM	51694
Surr: BFB	98.6	66.6-105		%Rec	1	4/12/2020 10:33:05 AM	51694
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/12/2020 10:33:05 AM	51694
Toluene	ND	0.048		mg/Kg	1	4/12/2020 10:33:05 AM	51694
Ethylbenzene	ND	0.048		mg/Kg	1	4/12/2020 10:33:05 AM	51694
Xylenes, Total	ND	0.097		mg/Kg	1	4/12/2020 10:33:05 AM	51694
Surr: 4-Bromofluorobenzene	98.0	80-120		%Rec	1	4/12/2020 10:33:05 AM	51694

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

<b>Qualifiers:</b>	*	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		

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## Analytical Report

Lab Order 2004395

Date Reported: 4/14/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-9@1'

Project: Cotton Draw 290

Collection Date: 4/6/2020

Lab ID: 2004395-017

Matrix: SOIL

Received Date: 4/9/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	210	60		mg/Kg	20	4/11/2020 7:23:44 PM	51736
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/10/2020 6:38:11 PM	51695
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/10/2020 6:38:11 PM	51695
Surr: DNOP	86.9	55.1-146		%Rec	1	4/10/2020 6:38:11 PM	51695
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/12/2020 10:56:45 AM	51694
Surr: BFB	98.2	66.6-105		%Rec	1	4/12/2020 10:56:45 AM	51694
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/12/2020 10:56:45 AM	51694
Toluene	ND	0.048		mg/Kg	1	4/12/2020 10:56:45 AM	51694
Ethylbenzene	ND	0.048		mg/Kg	1	4/12/2020 10:56:45 AM	51694
Xylenes, Total	ND	0.096		mg/Kg	1	4/12/2020 10:56:45 AM	51694
Surr: 4-Bromofluorobenzene	98.3	80-120		%Rec	1	4/12/2020 10:56:45 AM	51694

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

<b>Qualifiers:</b>	*	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		

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## Analytical Report

Lab Order 2004395

Date Reported: 4/14/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-9@2'

Project: Cotton Draw 290

Collection Date: 4/6/2020

Lab ID: 2004395-018

Matrix: SOIL

Received Date: 4/9/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	140	60		mg/Kg	20	4/11/2020 7:36:05 PM	51736
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/10/2020 7:01:57 PM	51695
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/10/2020 7:01:57 PM	51695
Surr: DNOP	86.4	55.1-146		%Rec	1	4/10/2020 7:01:57 PM	51695
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/12/2020 11:20:29 AM	51694
Surr: BFB	96.4	66.6-105		%Rec	1	4/12/2020 11:20:29 AM	51694
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	4/12/2020 11:20:29 AM	51694
Toluene	ND	0.046		mg/Kg	1	4/12/2020 11:20:29 AM	51694
Ethylbenzene	ND	0.046		mg/Kg	1	4/12/2020 11:20:29 AM	51694
Xylenes, Total	ND	0.092		mg/Kg	1	4/12/2020 11:20:29 AM	51694
Surr: 4-Bromofluorobenzene	96.6	80-120		%Rec	1	4/12/2020 11:20:29 AM	51694

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

<b>Qualifiers:</b>	*	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		

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## Analytical Report

Lab Order 2004395

Date Reported: 4/14/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-9@3'

Project: Cotton Draw 290

Collection Date: 4/6/2020

Lab ID: 2004395-019

Matrix: SOIL

Received Date: 4/9/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	4/11/2020 7:48:25 PM	51736
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/10/2020 7:25:35 PM	51695
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/10/2020 7:25:35 PM	51695
Surr: DNOP	92.2	55.1-146		%Rec	1	4/10/2020 7:25:35 PM	51695
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/12/2020 11:44:09 AM	51694
Surr: BFB	96.1	66.6-105		%Rec	1	4/12/2020 11:44:09 AM	51694
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/12/2020 11:44:09 AM	51694
Toluene	ND	0.047		mg/Kg	1	4/12/2020 11:44:09 AM	51694
Ethylbenzene	ND	0.047		mg/Kg	1	4/12/2020 11:44:09 AM	51694
Xylenes, Total	ND	0.094		mg/Kg	1	4/12/2020 11:44:09 AM	51694
Surr: 4-Bromofluorobenzene	97.6	80-120		%Rec	1	4/12/2020 11:44:09 AM	51694

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

<b>Qualifiers:</b>	*	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		

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## Analytical Report

Lab Order 2004395

Date Reported: 4/14/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-4@1'

Project: Cotton Draw 290

Collection Date: 4/6/2020

Lab ID: 2004395-020

Matrix: SOIL

Received Date: 4/9/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	180	60		mg/Kg	20	4/11/2020 8:00:46 PM	51736
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/10/2020 7:49:13 PM	51695
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/10/2020 7:49:13 PM	51695
Surr: DNOP	88.5	55.1-146		%Rec	1	4/10/2020 7:49:13 PM	51695
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/12/2020 12:07:36 PM	51694
Surr: BFB	98.9	66.6-105		%Rec	1	4/12/2020 12:07:36 PM	51694
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/12/2020 12:07:36 PM	51694
Toluene	ND	0.048		mg/Kg	1	4/12/2020 12:07:36 PM	51694
Ethylbenzene	ND	0.048		mg/Kg	1	4/12/2020 12:07:36 PM	51694
Xylenes, Total	ND	0.096		mg/Kg	1	4/12/2020 12:07:36 PM	51694
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	4/12/2020 12:07:36 PM	51694

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

<b>Qualifiers:</b>	*	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		

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## Analytical Report

Lab Order 2004395

Date Reported: 4/14/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-4@2'

Project: Cotton Draw 290

Collection Date: 4/6/2020

Lab ID: 2004395-021

Matrix: SOIL

Received Date: 4/9/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	190	60		mg/Kg	20	4/11/2020 8:13:06 PM	51736
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/11/2020 9:11:15 AM	51703
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/11/2020 9:11:15 AM	51703
Surr: DNOP	99.1	55.1-146		%Rec	1	4/11/2020 9:11:15 AM	51703
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/12/2020 12:31:03 PM	51694
Surr: BFB	97.9	66.6-105		%Rec	1	4/12/2020 12:31:03 PM	51694
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	4/12/2020 12:31:03 PM	51694
Toluene	ND	0.049		mg/Kg	1	4/12/2020 12:31:03 PM	51694
Ethylbenzene	ND	0.049		mg/Kg	1	4/12/2020 12:31:03 PM	51694
Xylenes, Total	ND	0.098		mg/Kg	1	4/12/2020 12:31:03 PM	51694
Surr: 4-Bromofluorobenzene	99.2	80-120		%Rec	1	4/12/2020 12:31:03 PM	51694

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

<b>Qualifiers:</b>	*	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		

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## Analytical Report

Lab Order 2004395

Date Reported: 4/14/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-1 @2'

Project: Cotton Draw 290

Collection Date: 4/6/2020

Lab ID: 2004395-022

Matrix: SOIL

Received Date: 4/9/2020 8:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	120	60		mg/Kg	20	4/11/2020 8:50:07 PM	51736
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	4/11/2020 10:22:56 AM	51703
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/11/2020 10:22:56 AM	51703
Surr: DNOP	91.5	55.1-146		%Rec	1	4/11/2020 10:22:56 AM	51703
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/12/2020 12:54:29 PM	51694
Surr: BFB	99.6	66.6-105		%Rec	1	4/12/2020 12:54:29 PM	51694
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	4/12/2020 12:54:29 PM	51694
Toluene	ND	0.047		mg/Kg	1	4/12/2020 12:54:29 PM	51694
Ethylbenzene	ND	0.047		mg/Kg	1	4/12/2020 12:54:29 PM	51694
Xylenes, Total	ND	0.093		mg/Kg	1	4/12/2020 12:54:29 PM	51694
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	4/12/2020 12:54:29 PM	51694

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

<b>Qualifiers:</b>	*	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#: 2004395

14-Apr-20

**Client:** Talon Artesia  
**Project:** Cotton Draw 290

Sample ID: <b>MB-51736</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>51736</b>	RunNo: <b>68062</b>								
Prep Date: <b>4/11/2020</b>	Analysis Date: <b>4/11/2020</b>	SeqNo: <b>2352424</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-51736</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>51736</b>	RunNo: <b>68062</b>								
Prep Date: <b>4/11/2020</b>	Analysis Date: <b>4/11/2020</b>	SeqNo: <b>2352425</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.4	90	110			

Sample ID: <b>MB-51727</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>51727</b>	RunNo: <b>68062</b>								
Prep Date: <b>4/11/2020</b>	Analysis Date: <b>4/11/2020</b>	SeqNo: <b>2352450</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-51727</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>51727</b>	RunNo: <b>68062</b>								
Prep Date: <b>4/11/2020</b>	Analysis Date: <b>4/11/2020</b>	SeqNo: <b>2352451</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.4	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

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

WO#: 2004395

14-Apr-20

**Client:** Talon Artesia  
**Project:** Cotton Draw 290

Sample ID: <b>MB-51695</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>51695</b>	RunNo: <b>68007</b>								
Prep Date: <b>4/9/2020</b>	Analysis Date: <b>4/10/2020</b>	SeqNo: <b>2350335</b> Units: <b>mg/Kg</b>								
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	9.3		10.00		93.5	55.1	146			

Sample ID: <b>LCS-51695</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>51695</b>	RunNo: <b>68007</b>								
Prep Date: <b>4/9/2020</b>	Analysis Date: <b>4/10/2020</b>	SeqNo: <b>2350337</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	91.9	70	130			
Surr: DNOP	4.3		5.000		85.9	55.1	146			

Sample ID: <b>2004395-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>S-1@1'</b>	Batch ID: <b>51695</b>	RunNo: <b>68007</b>								
Prep Date: <b>4/9/2020</b>	Analysis Date: <b>4/10/2020</b>	SeqNo: <b>2351234</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	9.7	48.45	3.356	88.4	47.4	136			
Surr: DNOP	4.5		4.845		93.2	55.1	146			

Sample ID: <b>2004395-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>S-1@1'</b>	Batch ID: <b>51695</b>	RunNo: <b>68007</b>								
Prep Date: <b>4/9/2020</b>	Analysis Date: <b>4/10/2020</b>	SeqNo: <b>2351235</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	49.95	3.356	91.3	47.4	136	5.83	43.4	
Surr: DNOP	4.8		4.995		96.1	55.1	146	0	0	

Sample ID: <b>MB-51703</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>51703</b>	RunNo: <b>68041</b>								
Prep Date: <b>4/10/2020</b>	Analysis Date: <b>4/11/2020</b>	SeqNo: <b>2351310</b> Units: <b>mg/Kg</b>								
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	9.2		10.00		92.4	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#: 2004395

14-Apr-20

**Client:** Talon Artesia  
**Project:** Cotton Draw 290

Sample ID: <b>LCS-51703</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>51703</b>	RunNo: <b>68041</b>								
Prep Date: <b>4/10/2020</b>	Analysis Date: <b>4/11/2020</b>	SeqNo: <b>2351311</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	101	70	130			
Surr: DNOP	4.8		5.000		96.9	55.1	146			

Sample ID: <b>2004395-021AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>S-4@2'</b>	Batch ID: <b>51703</b>	RunNo: <b>68041</b>								
Prep Date: <b>4/10/2020</b>	Analysis Date: <b>4/11/2020</b>	SeqNo: <b>2351313</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	9.7	48.54	0	94.9	47.4	136			
Surr: DNOP	4.5		4.854		92.1	55.1	146			

Sample ID: <b>2004395-021AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>S-4@2'</b>	Batch ID: <b>51703</b>	RunNo: <b>68041</b>								
Prep Date: <b>4/10/2020</b>	Analysis Date: <b>4/11/2020</b>	SeqNo: <b>2351314</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.6	47.85	0	99.8	47.4	136	3.54	43.4	
Surr: DNOP	4.7		4.785		98.5	55.1	146	0	0	

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical 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#: 2004395

14-Apr-20

**Client:** Talon Artesia  
**Project:** Cotton Draw 290

Sample ID: <b>lcs-51686</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>51686</b>				RunNo: <b>68015</b>					
Prep Date: <b>4/9/2020</b>	Analysis Date: <b>4/11/2020</b>				SeqNo: <b>2350913</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	86.7	80	120			
Surr: BFB	1100		1000		107	66.6	105			S

Sample ID: <b>mb-51686</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>PBS</b>	Batch ID: <b>51686</b>				RunNo: <b>68015</b>					
Prep Date: <b>4/9/2020</b>	Analysis Date: <b>4/11/2020</b>				SeqNo: <b>2350915</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	66.6	105			

Sample ID: <b>mb-51694</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>PBS</b>	Batch ID: <b>51694</b>				RunNo: <b>68059</b>					
Prep Date: <b>4/9/2020</b>	Analysis Date: <b>4/12/2020</b>				SeqNo: <b>2352101</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		98.9	66.6	105			

Sample ID: <b>LCS-51694</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>51694</b>				RunNo: <b>68059</b>					
Prep Date: <b>4/9/2020</b>	Analysis Date: <b>4/12/2020</b>				SeqNo: <b>2352103</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.5	80	120			
Surr: BFB	1100		1000		110	66.6	105			S

Sample ID: <b>2004395-006ams</b>	SampType: <b>MS</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>S-4@3'</b>	Batch ID: <b>51694</b>				RunNo: <b>68059</b>					
Prep Date: <b>4/9/2020</b>	Analysis Date: <b>4/12/2020</b>				SeqNo: <b>2352108</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	24.95	0	93.4	69.1	142			
Surr: BFB	1100		998.0		111	66.6	105			S

Sample ID: <b>2004395-006amsd</b>	SampType: <b>MSD</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>S-4@3'</b>	Batch ID: <b>51694</b>				RunNo: <b>68059</b>					
Prep Date: <b>4/9/2020</b>	Analysis Date: <b>4/12/2020</b>				SeqNo: <b>2352109</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical 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#: 2004395  
14-Apr-20

Client: Talon Artesia  
Project: Cotton Draw 290

Sample ID: 2004395-006amsd		SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range						
Client ID: S-4@3'		Batch ID: 51694		RunNo: 68059						
Prep Date: 4/9/2020		Analysis Date: 4/12/2020		SeqNo: 2352109		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	24.85	0	93.3	69.1	142	0.484	20	
Surr: BFB	1100		994.0		110	66.6	105	0	0	S

Qualifiers:

- \*

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical 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#: 2004395

14-Apr-20

**Client:** Talon Artesia  
**Project:** Cotton Draw 290

Sample ID: <b>LCS-51686</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>51686</b>	RunNo: <b>68015</b>								
Prep Date: <b>4/9/2020</b>	Analysis Date: <b>4/11/2020</b>	SeqNo: <b>2350960</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.1	80	120			
Toluene	0.93	0.050	1.000	0	93.0	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.5	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Sample ID: <b>mb-51686</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>51686</b>	RunNo: <b>68015</b>								
Prep Date: <b>4/9/2020</b>	Analysis Date: <b>4/11/2020</b>	SeqNo: <b>2350962</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Sample ID: <b>mb-51694</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>51694</b>	RunNo: <b>68059</b>								
Prep Date: <b>4/9/2020</b>	Analysis Date: <b>4/12/2020</b>	SeqNo: <b>2352160</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		99.1	80	120			

Sample ID: <b>lcs-51694</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>51694</b>	RunNo: <b>68059</b>								
Prep Date: <b>4/9/2020</b>	Analysis Date: <b>4/12/2020</b>	SeqNo: <b>2352161</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.2	80	120			
Toluene	0.94	0.050	1.000	0	93.6	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.4	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.4	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical 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#: 2004395

14-Apr-20

**Client:** Talon Artesia  
**Project:** Cotton Draw 290

Sample ID: <b>2004395-005ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>S-3@1'</b>	Batch ID: <b>51694</b>	RunNo: <b>68059</b>								
Prep Date: <b>4/9/2020</b>	Analysis Date: <b>4/12/2020</b>	SeqNo: <b>2352163</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	0.9930	0	90.6	78.5	119			
Toluene	0.92	0.050	0.9930	0	93.0	75.7	123			
Ethylbenzene	0.95	0.050	0.9930	0	96.0	74.3	126			
Xylenes, Total	2.9	0.099	2.979	0	96.7	72.9	130			
Surr: 4-Bromofluorobenzene	1.5		0.9930		155	80	120			S

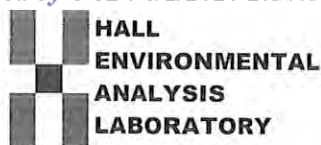
Sample ID: <b>2004395-005amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>S-3@1'</b>	Batch ID: <b>51694</b>	RunNo: <b>68059</b>								
Prep Date: <b>4/9/2020</b>	Analysis Date: <b>4/12/2020</b>	SeqNo: <b>2352164</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.024	0.9488	0	92.2	78.5	119	2.90	20	
Toluene	0.90	0.047	0.9488	0	95.4	75.7	123	2.09	20	
Ethylbenzene	0.94	0.047	0.9488	0	98.8	74.3	126	1.69	20	
Xylenes, Total	2.8	0.095	2.846	0	99.4	72.9	130	1.76	20	
Surr: 4-Bromofluorobenzene	0.96		0.9488		102	80	120	0	0	

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical 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: **TALON ARTESIA**Work Order Number: **2004395**

RcptNo: 1

Received By: **Juan Rojas**

4/9/2020 8:25:00 AM

Completed By: **Isaiah Ortiz**

4/9/2020 9:49:54 AM

Reviewed By: **AB**

4/9/20

*Juan Rojas**I-OK*

### Chain of Custody

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

### 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  $6.0^{\circ}\text{C}$ ? 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 4/9/20**

### 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	2.1	Good	Not Present			

## Chain-of-Custody Record

Client: Talon LPE  
 408 W Texas St  
 Mailing Address: Artesia, NM 88210  
 Phone #: 700 794 3390  
 email or Fax#: (575) 746-8905  
 QA/QC Package:  
☐ Standard ☐ Level 4 (Full Validation)  
 Accreditation: ☐ Az Compliance  
☐ NELAC ☐ Other  
☐ EDD (Type)

Turn-Around Time: Same Rush  
☐ Standard ☐ Rush  
 Project Name: Cotton Draw #290

Project #: 70079433901

Project Manager: C. Jones

Sampler: B. Stachurski

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 2.4-0.3-2.1

Container Type and #

Preservative Type

HEAL No.

2004395

-001

-002

-003

-004

-005

-006

-007

-008

-009

-010

-011

-012

Received by: [Signature] Date: 4/8/20 Time: 0900

Via: air courier

Received by: [Signature] Date: 4/8/20 Time: 1900

Via: air courier

Relinquished by: [Signature] Date: 4/8/20 Time: 1900

Relinquished by: [Signature] Date: 4/8/20 Time: 1900

Relinquished by: [Signature] Date: 4/8/20 Time: 1900

Relinquished by: [Signature] Date: 4/8/20 Time: 1900

Relinquished by: [Signature] Date: 4/8/20 Time: 1900

Relinquished by: [Signature] Date: 4/8/20 Time: 1900

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Relinquished by: [Signature] Date: 4/8/20 Time: 1900

Relinquished by: [Signature] Date: 4/8/20 Time: 1900

Relinquished by: [Signature] Date: 4/8/20 Time: 1900

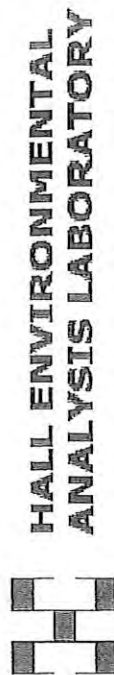
Relinquished by: [Signature] Date: 4/8/20 Time: 1900

Relinquished by: [Signature] Date: 4/8/20 Time: 1900

Relinquished by: [Signature] Date: 4/8/20 Time: 1900

Relinquished by: [Signature] Date: 4/8/20 Time: 1900

Relinquished by: [Signature] Date: 4/8/20 Time: 1900



www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

## Analysis Request

8081 Pesticides/8082 PCB's

TPH:8015D(GRO / DRO / MRO)

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

Remarks: Please cc the following via email:

Dadkins@talonlpe.com

Rpons@talonlpe.com

C Jones @talonlpe.com

If 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.



## Chain-of-Custody Record

Client: Talon LPE  
 408 W Texas St  
 Mailing Address: Artesia, NM 88210  
 Phone #: \_\_\_\_\_  
 email or Fax#: (575) 746-8905  
 QA/QC Package:  
☐ Standard ☐ Level 4 (Full Validation)  
 Accreditation: ☐ Az Compliance  
☐ NELAC ☐ Other \_\_\_\_\_  
☐ EDD (Type) \_\_\_\_\_

Turn-Around Time: 5 day Rush  
☐ Standard ☐ Rush  
 Project Name: \_\_\_\_\_  
 Project #: \_\_\_\_\_

Project Manager: \_\_\_\_\_

Sampler: \_\_\_\_\_

On Ice: ☒ Yes ☐ No

# of Coolers: \_\_\_\_\_

Cooler Temp (including CF): 2.4-0.3 = 2.1

Container Type and # \_\_\_\_\_

Preservative Type \_\_\_\_\_

HEAL No. \_\_\_\_\_

Container Type and # \_\_\_\_\_

Preservative Type \_\_\_\_\_

HEAL No. \_\_\_\_\_

Container Type and # \_\_\_\_\_

Preservative Type \_\_\_\_\_

HEAL No. \_\_\_\_\_

Container Type and # \_\_\_\_\_

Preservative Type \_\_\_\_\_

HEAL No. \_\_\_\_\_

Container Type and # \_\_\_\_\_

Preservative Type \_\_\_\_\_

HEAL No. \_\_\_\_\_

Container Type and # \_\_\_\_\_

Preservative Type \_\_\_\_\_

HEAL No. \_\_\_\_\_

Container Type and # \_\_\_\_\_

Preservative Type \_\_\_\_\_

HEAL No. \_\_\_\_\_

Container Type and # \_\_\_\_\_

Preservative Type \_\_\_\_\_

HEAL No. \_\_\_\_\_

Container Type and # \_\_\_\_\_

Preservative Type \_\_\_\_\_

HEAL No. \_\_\_\_\_

Container Type and # \_\_\_\_\_

Preservative Type \_\_\_\_\_

HEAL No. \_\_\_\_\_

Container Type and # \_\_\_\_\_

Preservative Type \_\_\_\_\_

HEAL No. \_\_\_\_\_

Container Type and # \_\_\_\_\_

Preservative Type \_\_\_\_\_

HEAL No. \_\_\_\_\_

Container Type and # \_\_\_\_\_

Preservative Type \_\_\_\_\_

HEAL No. \_\_\_\_\_

Date: 4/8/20 9:00 AM

Time: 9:00 AM

Date: 4/8/20 1:00 PM

Time: 1:00 PM

Date: 4/8/20 8:25 PM

Time: 8:25 PM

Date: 4/8/20 8:25 PM

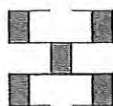
Time: 8:25 PM

Date: 4/8/20 8:25 PM

Time: 8:25 PM

Date: 4/8/20 8:25 PM

Time: 8:25 PM



# HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

## Analysis Request

BTX / MTBE / TMB's (8021)

TPH:8015D(GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

Remarks: Please cc the following via email:

Dadkins@talonlpe.com

Rpons@talonlpe.com

ctownes@talonlpe.com

If 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  
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	NAB1602937059
District RP	2RP-3522
Facility ID	
Application ID	

## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>&gt;100</u> (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 <b>not</b> 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



State of New Mexico  
Oil Conservation Division

Incident ID	NAB1602937059
District RP	2RP-3522
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: 4/29/2020

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

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	NAB1602937059
District RP	2RP-3522
Facility ID	
Application ID	

## Remediation Plan

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

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

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

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

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

Printed Name: Tom Bynum Title: EHS Consultant

Signature: Tom Bynum Date: 4/29/2020

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

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	NAB1602937059
District RP	2RP-3522
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: 4/29/2020

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

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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: Brittany Hall Date: 10/21/2022

Printed Name: Brittany Hall Title: Environmental Specialist

**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 8545

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 8545
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	None	10/21/2022