

Incident ID	nMLB112863288
District RP	
Facility ID	30-015-31381
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: Dale Woodall

Title: Environmental Professional

Signature: Dale Woodall

Date: September 19, 2023

Email: Dale.Woodall@dvn.com

Telephone: 575.748.1838

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: _____ Date: _____

Printed Name: _____

Title: _____

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Closure Report

Cotton Draw Unit #089
Eddy County, New Mexico
API# 30-015-31381
Incident No. nMLB1128636288

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

September 19, 2023

Mr. Mike Bratcher
NMOCD District 2
506 W. Texas Avenue
Artesia, NM 88210

Subject: **Closure Report**
 Cotton Draw Unit #089
 Eddy County, New Mexico
 API# 30-015-31381
 Incident No. nMLB1128636288

Dear Mr. Bratcher,

Devon Energy Production Company (Devon) contracted Talon/LPE (Talon) to complete remediation and closure activities at the above referenced location. The results of the remediation and final data for closure are provided herein.

Site Information

The Cotton Draw Unit #089 is located approximately 46 miles southeast of Carlsbad, New Mexico. The legal location for this release is Unit Letter O, Section 3, Township 25 South and Range 31 East in Eddy County, New Mexico. The latitude and longitude for the site is 32.1528893 and -103.7636414. A site map is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soils in the area are made up of Berino complexes, with 0 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology are Holocene to upper Pleistocene in age and comprised of mixed alluvium and/or eolian sands. Drainage courses in this area are typically well drained.

Groundwater and Site Characterization

Based on New Mexico Office of the State Engineer Database, the nearest reported groundwater depth is 390 feet below ground surface (bgs) but is located greater than 0.5 miles from the subject site. Due to the data being over 0.5 miles from the site, a temporary well (C-4632) was drilled to a depth of 55 feet bgs approximately 0.14 miles southeast of the site to conclusively determine the presence or absence of groundwater at that depth. See [Appendix II](#) for the submitted well record and log to the New Mexico Office of the State Engineer. Groundwater was not encountered at 55 feet bgs following a six (6) day period after the installation of the temporary well. The FEMA Flood Map Service Center does not locate the site in a 100-year flood plain. Further research of the Bureau of Land Management Karst data indicates that the site is located in a low potential karst area. See [Appendix II](#) for the site characterization data.

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

Approximate Depth to Groundwater > 55 feet/bgs

- ☐ 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 a 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 fresh water 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 releases occurred in a production area (well pad) and the verified depth to groundwater is greater than 55 feet bgs, the clean-up criteria for this site is as follows.

Table I Closure Criteria for Soils Impacted by a Release			
Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
51-100 feet	Total Chlorides	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	TPH (GRO + DRO)	EPA SW-846 Method 8015M	1,000 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 September 20, 2011, lightning struck a fiberglass produced water tank and the associated piping. Approximately 28 barrels (bbls) of condensate were released inside the diked area. Approximately six (6) bbls of condensate was recovered. A fire resulted from the lightning strike and the residual fluid was burned in the explosion that followed. Devon personnel shut in the well and all of the burned equipment was later removed. Devon converted this production site to a salt water disposal facility. The release was reported to the NMOCD and was assigned incident number **nMLB1128636288**.

A site map of the release is presented in [Appendix I](#). The initial C-141 spill notification was filed with the NMOCD and is attached in [Appendix III](#).

Site Assessment Activities

On August 3, 2020, Talon personnel and equipment were mobilized to the location to perform a direction Geoprobe drilling under the south end of the containment to assess release nMLB1128636288. The final sampling depth was approximately 10 feet bgs and the sample results are summarized in Table 1a.

The August 3, 2020 samples were transported with the chain of custody to Hall Laboratories, for analysis of Total Chlorides (EPA Method 300.0), Total Petroleum Hydrocarbons (TPH, EPA Method 8015M) and Volatile Organics (BTEX, EPA Method 8021B).

Table 1a
Site Assessment Analytical Data
Incident No. nMLB1128636288

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	Clorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO = 1,000 mg/kg			2,500 mg/kg	10,000 mg/kg
B-1	8/3/2020	0-1'	ND	ND	ND	45	ND	45	1,500
	8/3/2020	2'	ND	ND	ND	ND	ND	-	72
	8/3/2020	3'	ND	ND	ND	ND	ND	-	76
	8/3/2020	4'	ND	ND	ND	ND	ND	-	1,300
	8/3/2020	6'	ND	ND	ND	ND	ND	-	690
	8/3/2020	8'	ND	ND	ND	ND	ND	-	210
	8/3/2020	10'	ND	ND	ND	ND	ND	-	96
BG-1	8/3/2020	0-1'	ND	ND	ND	17	85	102	ND
2011 Fire Incident									
ND = Analyte Not Detected									

On August 18, 2023, horizontal delineation was completed in the release area. Horizontal delineation was achieved with direct push technology in the area of the release area. Additionally, vertical delineation was completed in the sample location, BH-1, for TPH and chlorides. The delineation sampling results are summarized in Table 1b.

The delineation samples were transported with the chain of custody to Cardinal Laboratories, for analysis of Total Chlorides (Method SM4500Cl-B), Total Petroleum Hydrocarbons (TPH, EPA Method 8015M) and Volatile Organics (BTEX, EPA Method 8021B).

Table 1b
Site Assessment Analytical Data
Incident No. nMLB1128636288

Sample ID	Sample Date	Depth (BGS)	Benzene mg/kg	BTEX mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			10 mg/kg	50 mg/kg	DRO + GRO combined = 1,000 mg/kg			2,500 mg/kg	10,000 mg/kg
BH-1	8/18/2023	1'	ND	ND	ND	284	42.2	326.2	8,800
	8/18/2023	2'	ND	ND	ND	64.7	ND	64.7	1,720
	8/18/2023	3' R	ND	ND	ND	ND	ND	-	240
BH-2	8/18/2023	1'	ND	ND	ND	ND	ND	-	80
BH-3	8/18/2023	1'	ND	ND	ND	15.1	ND	15.1	64
BH-4	8/18/2023	1'	ND	ND	ND	ND	ND	-	32
2011 Fire Incident ND = Analyte Not Detected R = Refusal with Geoprobe									

Results from the assessment sampling events are presented in the prior data tables and the complete laboratory reports can be found in [Appendix IV](#). Sample locations are shown on the attached Figure 1 in [Appendix I](#).

Remedial Action Summary

- Based on depth to groundwater, NMOCD closure criteria for this site were not exceeded based on laboratory analytical results. Therefore, no remedial actions were deemed necessary at this time.
- Representative soil samples were collected to define vertical and horizontal delineation in the release area.
- A Final C-141 Form is presented in [Appendix III](#).

Closure Request

Based upon the sampling results, on behalf of Devon Energy Production Company, we respectfully request that no further actions be required and that closure of this incident 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

Kayla
Taylor

Digitally signed by Kayla Taylor
DN: cn=Kayla Taylor, o=Talon/
LPE, ou=Project Manager,
email=ktaylor@talonlpe.com,
c=US
Date: 2023.09.25 10:24:47 -05'00'

Kayla Taylor
Project Manager

David J
Adkins

Digitally signed by David J Adkins
DN: cn=David J Adkins,
o=TalonLPE, ou=Regional
Manager,
email=dadkins@talonlpe.com,
c=US
Date: 2023.09.25 10:09:15 -06'00'

David J. Adkins
Regional Manager

Attachments:

- Appendix I Site Maps
- Appendix II Groundwater Data, Boring Log, Soil Survey, FEMA Flood Map
- Appendix III C-141 Form, NMOCD Correspondence
- Appendix IV Laboratory Analytical Data



APPENDIX I

Site Maps



Devon Energy Corporation
Devon Energy Cotton Draw Unit #089
Eddy County, NM
Figure 1 - nMLB1128636288 Site Assessment

Drafted: 9/7/2023
1 in = 50 ft
Drafted By: IJR

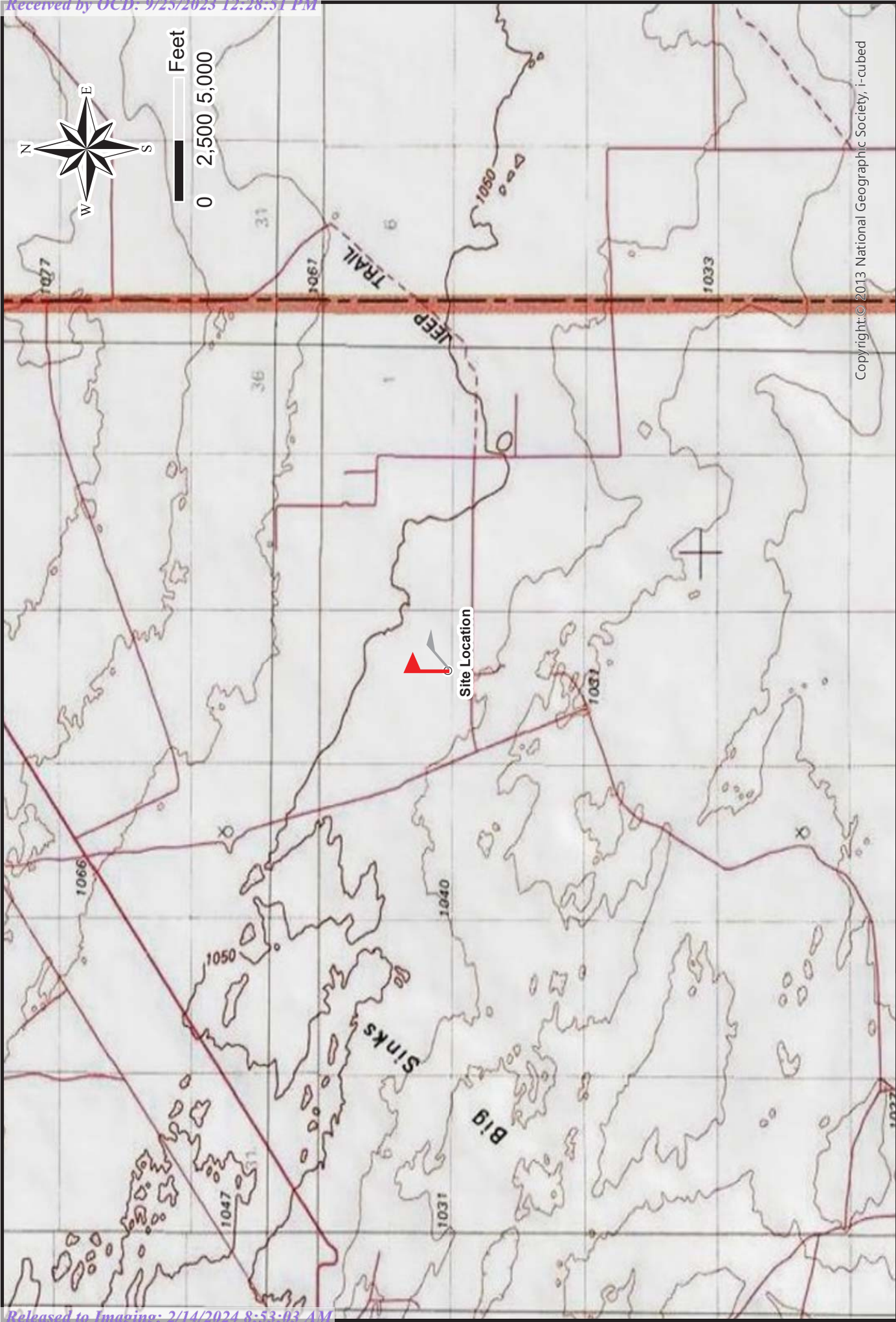




Devon Energy Corporation
Devon Energy Cotton Draw Unit #089
Eddy County, NM
Figure 2 - Site Location Map

Drafted: 2/2/2023
1 in = 3,000 ft
Drafted By: IJR





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Devon Energy Corporation
Devon Energy Cotton Draw Unit #089
Eddy County, NM
Figure 3 - Topographic Map

Drafted: 2/2/2023
1 in = 5,000 ft
Drafted By: IJR





Devon Energy Corporation
Devon Energy Cotton Draw Unit #089
Eddy County, NM
Figure 4 - Karst Map

Drafted: 2/2/2023
1 in = 2,000 ft
Drafted By: IJR





APPENDIX II

Groundwater Data

Boring Log

Soil Survey

FEMA Flood Map



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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	DepthWell	DepthWater	Water Column
C 02250		CUB	ED	3	1	4	21	25S	31E	614912	3553620*	400	390	10
C 02568		CUB	ED	4	3	1	01	25S	31E	619103	3558892*	1025		
C 02569		CUB	ED	4	4	2	02	25S	31E	618699	3558891*	1016		
C 02570		CUB	ED	4	2	4	02	25S	31E	618704	3558489*	895		
C 02571		CUB	ED	4	1	2	02	25S	31E	618292	3559294*	860		
C 02572		CUB	ED	4	2	2	02	25S	31E	618695	3559294*	852		
C 02573		CUB	ED	1	4	2	02	25S	31E	618499	3559091*			
C 02574		CUB	ED	1	1	2	02	25S	31E	618092	3559494*			
C 03830 POD1		CUB	ED	4	2	4	02	25S	31E	618632	3558432	450		
C 04479 POD1		CUB	ED	2	1	1	04	25S	31E	614182	3559400	0	0	0
C 04500 POD1		CUB	ED	4	4	1	28	25S	31E	614620	3552380			
C 04619 POD1		CUB	ED	2	1	2	27	25S	31E	616750	3552958	55		
C 04624 POD1		CUB	ED	4	4	1	30	25S	31E	611501	3552305	120	0	120
C 04632 POD1		CUB	ED	1	2	2	10	25S	31E	616802	3557964	55		
C 04635 POD1		CUB	ED	4	3	4	01	25S	31E	619958	3558078	55		

Average Depth to Water: **130 feet**

Minimum Depth: **0 feet**

Maximum Depth: **390 feet**

Record Count: 15

PLSS Search:

Township: 25S **Range:** 31E

*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.

2/1/23 1:24 PM

WATER COLUMN/ AVERAGE DEPTH TO
WATER



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). C-4632			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 9	SECONDS 7.47 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE 103	45	41.06 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW NE NE Sec.10 T25S R31S NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 6/8/2022	DRILLING ENDED 6/8/2022	DEPTH OF COMPLETED WELL (FT) Temporary Well		BORE HOLE DEPTH (FT) ±55	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 6/14/2022		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0 55		±6.5	Boring-HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT	

03E 07 JUN 16 2022 PM 3:12

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-4632	POD NO. 1	TRN NO. 726269
LOCATION 25S.31E.10 122	WELL TAG ID NO. —	PAGE 1 OF 2

Custom Soil Resource Report

Eddy Area, New Mexico**BB—Berino complex, 0 to 3 percent slopes, eroded****Map Unit Setting**

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

Map Unit Composition

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

Description of Berino**Setting**

Landform: Fan piedmonts, plains
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand
H2 - 17 to 58 inches: sandy clay loam
H3 - 58 to 60 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water capacity: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Custom Soil Resource Report

Description of Pajarito**Setting**

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

Typical profile

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

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
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 content: 40 percent
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water capacity: Moderate (about 8.0 inches)

Interpretive groups

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

Minor Components**Cacique**

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

Pajarito

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

Wink

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

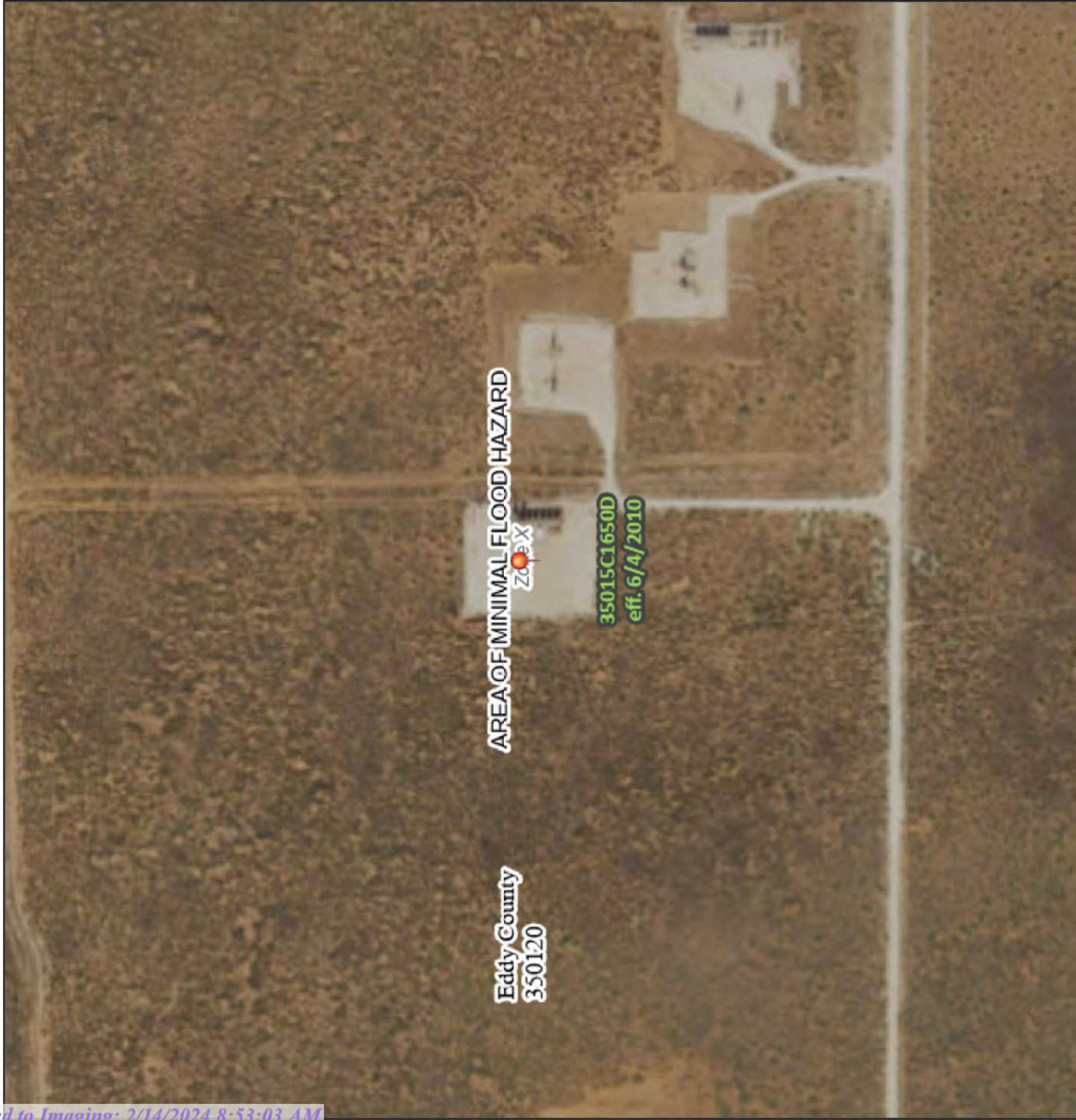
Kermit

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

National Flood Hazard Layer FIRMette



103°46'8"W 32°9'26"N





Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

103°45'30"W 32°8'55"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, AE, AH, VE, AP
With BFE or Depth
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
Future Conditions 1% Annual Chance Flood Hazard
Area with Reduced Flood Risk due to Levee. See Notes.
Area with Flood Risk due to Levee











OTHER AREAS

Area of Minimal Flood Hazard
Effective LOMRs
Area of Undetermined Flood Hazard






GENERAL STRUCTURES

Channel, Culvert, or Storm Sewer
Levee, Dike, or Floodwall




OTHER FEATURES

Cross Sections with 1% Annual Chance Water Surface Elevation
Coastal Transect
Base Flood Elevation Line (BFE)
Limit of Study
Jurisdiction Boundary
Coastal Transect Baseline
Profile Baseline
Hydrographic Feature



MAP PANELS

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 2/3/2023 at 11:51 AM 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, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

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APPENDIX III

C-141 Form

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised March 17, 1999

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

30-015-31381

Release Notification and Corrective Action

NMLB 1128636288

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Devon Energy	6137	Contact Roger Hernandez
Address P. O. Box 250 Artesia, NM 88211		Telephone No. 575-748-5238
Facility Name Cotton Draw #89		Facility Type Gas Well

Surface Owner	Mineral Owner	Lease No.
---------------	---------------	-----------

LOCATION OF RELEASE

Unit Letter	Section 3	Township 25S	Range 31E	Feet from the 250	North/South Line South	Feet from the 1980	East/West Line East	County Eddy County
-------------	--------------	-----------------	--------------	----------------------	---------------------------	-----------------------	------------------------	-----------------------

NATURE OF RELEASE

Type of Release Condensate	Volume of Release 28 BBLS	Volume Recovered 6 BBLS
Source of Release Lightening Struck Produced Water Tank	Date and Hour of Occurrence 9-20-11 11:30 PM	Date and Hour of Discovery 9-20-11 11:30 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 (OCD) Kent Cassell (BLM)	
By Whom? Merle Lewis	Date and Hour 9-21-11 11:47 AM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*

Lightening struck the battery destroying the fiberglass produced water tank and associated piping. It resulted in a release of 28 bbls of condensate on location. We were able to recover 6 bbls of condensate. The rest was burned in the explosion.

Describe Area Affected and Cleanup Action Taken.*

The well was immediately shut in, the spill was contained in the dike area 20'x 40' the area was stained but nothing standing. Will remove burned equipment and will now convert this location to a SWD well.

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: Adrienne Verkler		OIL CONSERVATION DIVISION	
Printed Name: Adrienne Verkler		Approved by <u>Mike Bratcher</u>	
Title: Field Tech II		OCT 13 2011	
Date: Sept. 26, 2011 Phone: (575) 748-0174		Approval Date:	Expiration Date:
Conditions of Approval:		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

Remediation per OCD Rules &
Guidelines. **SUBMIT REMEDIATION
PROPOSAL NOT LATER THAN:**

11/13/2011

2RP-912

Incident ID	nMLB112863288
District RP	
Facility ID	30-015-31381
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: Dale Woodall

Title: Environmental Professional

Signature: Dale Woodall

Date: September 19, 2023

Email: Dale.Woodall@dmv.com

Telephone: 575.748.1838

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: _____ Date: _____

Printed Name: _____

Title: _____



APPENDIX IV

Analytical Data



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

August 12, 2020

Rebecca Pons
Talon Artesia
408 West Texas Ave
Artesia, NM 88210
TEL:
FAX:

RE: Devon Cotton Draw 89 CDU89

OrderNo.: 2008120

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 8 sample(s) on 8/5/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2008120

Date Reported: 8/12/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 0'-1'

Project: Devon Cotton Draw 89 CDU89

Collection Date: 8/3/2020 12:51:00 PM

Lab ID: 2008120-001

Matrix: SOIL

Received Date: 8/5/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1500	60		mg/Kg	20	8/7/2020 4:36:02 PM	54256
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	45	9.8		mg/Kg	1	8/7/2020 6:08:28 PM	54200
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/7/2020 6:08:28 PM	54200
Surr: DNOP	110	30.4-154		%Rec	1	8/7/2020 6:08:28 PM	54200
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/6/2020 3:31:26 PM	54195
Surr: BFB	100	75.3-105		%Rec	1	8/6/2020 3:31:26 PM	54195
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	8/6/2020 3:31:26 PM	54195
Toluene	ND	0.050		mg/Kg	1	8/6/2020 3:31:26 PM	54195
Ethylbenzene	ND	0.050		mg/Kg	1	8/6/2020 3:31:26 PM	54195
Xylenes, Total	ND	0.099		mg/Kg	1	8/6/2020 3:31:26 PM	54195
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	8/6/2020 3:31:26 PM	54195

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

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

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Analytical Report

Lab Order 2008120

Date Reported: 8/12/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 2'

Project: Devon Cotton Draw 89 CDU89

Collection Date: 8/3/2020 12:53:00 PM

Lab ID: 2008120-002

Matrix: SOIL

Received Date: 8/5/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	72	60		mg/Kg	20	8/7/2020 4:48:24 PM	54256
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/6/2020 5:48:54 PM	54200
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/6/2020 5:48:54 PM	54200
Surr: DNOP	88.9	30.4-154		%Rec	1	8/6/2020 5:48:54 PM	54200
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/6/2020 4:42:18 PM	54195
Surr: BFB	104	75.3-105		%Rec	1	8/6/2020 4:42:18 PM	54195
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	8/6/2020 4:42:18 PM	54195
Toluene	ND	0.049		mg/Kg	1	8/6/2020 4:42:18 PM	54195
Ethylbenzene	ND	0.049		mg/Kg	1	8/6/2020 4:42:18 PM	54195
Xylenes, Total	ND	0.097		mg/Kg	1	8/6/2020 4:42:18 PM	54195
Surr: 4-Bromofluorobenzene	107	80-120		%Rec	1	8/6/2020 4:42:18 PM	54195

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

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

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Analytical Report

Lab Order 2008120

Date Reported: 8/12/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 3'

Project: Devon Cotton Draw 89 CDU89

Collection Date: 8/3/2020 12:56:00 PM

Lab ID: 2008120-003

Matrix: SOIL

Received Date: 8/5/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	76	60		mg/Kg	20	8/7/2020 5:00:44 PM	54256
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/6/2020 5:59:04 PM	54200
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/6/2020 5:59:04 PM	54200
Surr: DNOP	87.1	30.4-154		%Rec	1	8/6/2020 5:59:04 PM	54200
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/6/2020 7:03:39 PM	54195
Surr: BFB	98.4	75.3-105		%Rec	1	8/6/2020 7:03:39 PM	54195
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	8/6/2020 7:03:39 PM	54195
Toluene	ND	0.047		mg/Kg	1	8/6/2020 7:03:39 PM	54195
Ethylbenzene	ND	0.047		mg/Kg	1	8/6/2020 7:03:39 PM	54195
Xylenes, Total	ND	0.094		mg/Kg	1	8/6/2020 7:03:39 PM	54195
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	8/6/2020 7:03:39 PM	54195

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

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

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Analytical Report

Lab Order 2008120

Date Reported: 8/12/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 4'

Project: Devon Cotton Draw 89 CDU89

Collection Date: 8/3/2020 1:06:00 PM

Lab ID: 2008120-004

Matrix: SOIL

Received Date: 8/5/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1300	60		mg/Kg	20	8/7/2020 5:13:04 PM	54256
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/6/2020 6:09:17 PM	54200
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/6/2020 6:09:17 PM	54200
Surr: DNOP	97.6	30.4-154		%Rec	1	8/6/2020 6:09:17 PM	54200
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/6/2020 7:27:12 PM	54195
Surr: BFB	98.8	75.3-105		%Rec	1	8/6/2020 7:27:12 PM	54195
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	8/6/2020 7:27:12 PM	54195
Toluene	ND	0.046		mg/Kg	1	8/6/2020 7:27:12 PM	54195
Ethylbenzene	ND	0.046		mg/Kg	1	8/6/2020 7:27:12 PM	54195
Xylenes, Total	ND	0.093		mg/Kg	1	8/6/2020 7:27:12 PM	54195
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	8/6/2020 7:27:12 PM	54195

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

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

Analytical Report

Lab Order 2008120

Date Reported: 8/12/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 6'

Project: Devon Cotton Draw 89 CDU89

Collection Date: 8/3/2020 1:09:00 PM

Lab ID: 2008120-005

Matrix: SOIL

Received Date: 8/5/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	690	60		mg/Kg	20	8/7/2020 5:25:25 PM	54256
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/6/2020 6:19:16 PM	54200
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/6/2020 6:19:16 PM	54200
Surr: DNOP	101	30.4-154		%Rec	1	8/6/2020 6:19:16 PM	54200
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/6/2020 7:50:40 PM	54195
Surr: BFB	99.6	75.3-105		%Rec	1	8/6/2020 7:50:40 PM	54195
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	8/6/2020 7:50:40 PM	54195
Toluene	ND	0.046		mg/Kg	1	8/6/2020 7:50:40 PM	54195
Ethylbenzene	ND	0.046		mg/Kg	1	8/6/2020 7:50:40 PM	54195
Xylenes, Total	ND	0.092		mg/Kg	1	8/6/2020 7:50:40 PM	54195
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	8/6/2020 7:50:40 PM	54195

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

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

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Analytical Report

Lab Order 2008120

Date Reported: 8/12/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 8'

Project: Devon Cotton Draw 89 CDU89

Collection Date: 8/3/2020 1:08:00 PM

Lab ID: 2008120-006

Matrix: SOIL

Received Date: 8/5/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	210	60		mg/Kg	20	8/8/2020 1:09:37 PM	54277
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/6/2020 6:29:22 PM	54200
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/6/2020 6:29:22 PM	54200
Surr: DNOP	97.4	30.4-154		%Rec	1	8/6/2020 6:29:22 PM	54200
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/6/2020 8:14:13 PM	54195
Surr: BFB	98.8	75.3-105		%Rec	1	8/6/2020 8:14:13 PM	54195
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	8/6/2020 8:14:13 PM	54195
Toluene	ND	0.049		mg/Kg	1	8/6/2020 8:14:13 PM	54195
Ethylbenzene	ND	0.049		mg/Kg	1	8/6/2020 8:14:13 PM	54195
Xylenes, Total	ND	0.098		mg/Kg	1	8/6/2020 8:14:13 PM	54195
Surr: 4-Bromofluorobenzene	107	80-120		%Rec	1	8/6/2020 8:14:13 PM	54195

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

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

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Analytical Report

Lab Order 2008120

Date Reported: 8/12/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 10'

Project: Devon Cotton Draw 89 CDU89

Collection Date: 8/3/2020 1:10:00 PM

Lab ID: 2008120-007

Matrix: SOIL

Received Date: 8/5/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	96	60		mg/Kg	20	8/8/2020 1:46:38 PM	54277
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/6/2020 6:39:26 PM	54200
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/6/2020 6:39:26 PM	54200
Surr: DNOP	98.1	30.4-154		%Rec	1	8/6/2020 6:39:26 PM	54200
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/6/2020 8:37:41 PM	54195
Surr: BFB	100	75.3-105		%Rec	1	8/6/2020 8:37:41 PM	54195
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	8/6/2020 8:37:41 PM	54195
Toluene	ND	0.049		mg/Kg	1	8/6/2020 8:37:41 PM	54195
Ethylbenzene	ND	0.049		mg/Kg	1	8/6/2020 8:37:41 PM	54195
Xylenes, Total	ND	0.098		mg/Kg	1	8/6/2020 8:37:41 PM	54195
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	8/6/2020 8:37:41 PM	54195

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

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

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Analytical Report

Lab Order 2008120

Date Reported: 8/12/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-1 0'-1'

Project: Devon Cotton Draw 89 CDU89

Collection Date: 8/3/2020 2:37:00 PM

Lab ID: 2008120-008

Matrix: SOIL

Received Date: 8/5/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	8/8/2020 1:58:58 PM	54277
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	17	9.8		mg/Kg	1	8/6/2020 6:49:26 PM	54200
Motor Oil Range Organics (MRO)	85	49		mg/Kg	1	8/6/2020 6:49:26 PM	54200
Surr: DNOP	101	30.4-154		%Rec	1	8/6/2020 6:49:26 PM	54200
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/6/2020 9:01:07 PM	54195
Surr: BFB	99.4	75.3-105		%Rec	1	8/6/2020 9:01:07 PM	54195
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	8/6/2020 9:01:07 PM	54195
Toluene	ND	0.047		mg/Kg	1	8/6/2020 9:01:07 PM	54195
Ethylbenzene	ND	0.047		mg/Kg	1	8/6/2020 9:01:07 PM	54195
Xylenes, Total	ND	0.095		mg/Kg	1	8/6/2020 9:01:07 PM	54195
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	8/6/2020 9:01:07 PM	54195

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

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

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

WO#: 2008120

12-Aug-20

Client: Talon Artesia**Project:** Devon Cotton Draw 89 CDU89

Sample ID: MB-54256	SampType: mblk			TestCode: EPA Method 300.0: Anions						
Client ID: PBS	Batch ID: 54256			RunNo: 70901						
Prep Date: 8/7/2020	Analysis Date: 8/7/2020			SeqNo: 2470133		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-54256	SampType: lcs			TestCode: EPA Method 300.0: Anions						
Client ID: LCSS	Batch ID: 54256			RunNo: 70901						
Prep Date: 8/7/2020	Analysis Date: 8/7/2020			SeqNo: 2470135		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.9	90	110			

Sample ID: MB-54277	SampType: mblk			TestCode: EPA Method 300.0: Anions						
Client ID: PBS	Batch ID: 54277			RunNo: 70937						
Prep Date: 8/8/2020	Analysis Date: 8/8/2020			SeqNo: 2470842		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-54277	SampType: lcs			TestCode: EPA Method 300.0: Anions						
Client ID: LCSS	Batch ID: 54277			RunNo: 70937						
Prep Date: 8/8/2020	Analysis Date: 8/8/2020			SeqNo: 2470843		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.4	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

Page 9 of 12

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

WO#: 2008120

12-Aug-20

Client: Talon Artesia**Project:** Devon Cotton Draw 89 CDU89

Sample ID: LCS-54200	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 54200		RunNo: 70894							
Prep Date: 8/5/2020	Analysis Date: 8/6/2020		SeqNo: 2469095		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.4	70	130			
Surr: DNOP	4.5		5.000		90.4	30.4	154			

Sample ID: MB-54200	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 54200		RunNo: 70894							
Prep Date: 8/5/2020	Analysis Date: 8/6/2020		SeqNo: 2469098		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.6		10.00		86.5	30.4	154			

Sample ID: 2008120-001AMS	SampType: MS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: B-1 0'-1'	Batch ID: 54200		RunNo: 70908							
Prep Date: 8/5/2020	Analysis Date: 8/7/2020		SeqNo: 2472511		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	130	9.8	49.02	45.12	164	47.4	136			S
Surr: DNOP	5.0		4.902		103	30.4	154			

Sample ID: 2008120-001AMSD	SampType: MSD		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: B-1 0'-1'	Batch ID: 54200		RunNo: 70908							
Prep Date: 8/5/2020	Analysis Date: 8/7/2020		SeqNo: 2472512		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	110	9.5	47.71	45.12	139	47.4	136	11.8	43.4	S
Surr: DNOP	5.9		4.771		124	30.4	154	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

Page 10 of 12

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2008120

12-Aug-20

Client: Talon Artesia

Project: Devon Cotton Draw 89 CDU89

Sample ID: 2008120-001ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: B-1 0'-1'	Batch ID: 54195	RunNo: 70872
Prep Date: 8/5/2020	Analysis Date: 8/6/2020	SeqNo: 2469358 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO)	25	4.9 24.56 0 102 61.3 114
Surr: BFB	1100	982.3 111 75.3 105 S

Sample ID: 2008120-001amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range
Client ID: B-1 0'-1'	Batch ID: 54195	RunNo: 70872
Prep Date: 8/5/2020	Analysis Date: 8/6/2020	SeqNo: 2469359 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO)	26	4.8 24.02 0 108 61.3 114 3.20 20
Surr: BFB	1100	960.6 113 75.3 105 0 0 S

Sample ID: LCS-54195	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 54195	RunNo: 70872
Prep Date: 8/5/2020	Analysis Date: 8/6/2020	SeqNo: 2469384 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO)	24	5.0 25.00 0 95.0 72.5 106
Surr: BFB	1100	1000 114 75.3 105 S

Sample ID: mb-54195	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 54195	RunNo: 70872
Prep Date: 8/5/2020	Analysis Date: 8/6/2020	SeqNo: 2469386 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO)	ND	5.0
Surr: BFB	990	1000 98.8 75.3 105

Qualifiers:

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

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

Page 11 of 12

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2008120

12-Aug-20

Client: Talon Artesia

Project: Devon Cotton Draw 89 CDU89

Sample ID: 2008120-002ams	SampType: MS		TestCode: EPA Method 8021B: Volatiles							
Client ID: B-1 2'	Batch ID: 54195		RunNo: 70872							
Prep Date: 8/5/2020	Analysis Date: 8/6/2020		SeqNo: 2469479		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	0.9804	0	100	76.3	120			
Toluene	1.0	0.049	0.9804	0	103	78.5	120			
Ethylbenzene	1.0	0.049	0.9804	0	106	78.1	124			
Xylenes, Total	3.1	0.098	2.941	0	106	79.3	125			
Surr: 4-Bromofluorobenzene	1.1		0.9804		107	80	120			

Sample ID: 2008120-002amsd		SampType: MSD		TestCode: EPA Method 8021B: Volatiles						
Client ID: B-1 2'		Batch ID: 54195		RunNo: 70872						
Prep Date: 8/5/2020		Analysis Date: 8/6/2020		SeqNo: 2469480		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.024	0.9506	0	95.6	76.3	120	7.72	20	
Toluene	0.95	0.048	0.9506	0	99.8	78.5	120	5.76	20	
Ethylbenzene	0.98	0.048	0.9506	0	103	78.1	124	5.44	20	
Xylenes, Total	3.0	0.095	2.852	0	104	79.3	125	5.39	20	
Surr: 4-Bromofluorobenzene	1.0		0.9506		106	80	120	0	0	

Sample ID: LCS-54195		SampType: LCS			TestCode: EPA Method 8021B: Volatiles					
Client ID: LCSS		Batch ID: 54195			RunNo: 70872					
Prep Date: 8/5/2020		Analysis Date: 8/6/2020			SeqNo: 2469503		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.3	80	120			
Toluene	0.94	0.050	1.000	0	94.4	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.2	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Sample ID: mb-54195		SampType: MBLK		TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS		Batch ID: 54195		RunNo: 70872						
Prep Date: 8/5/2020		Analysis Date: 8/6/2020		SeqNo: 2469505		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 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

Page 12 of 12



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

Sample Log-In Check List

Client Name: Talon Artesia

Work Order Number: 2008120

RcptNo: 1

Received By: Juan Rojas

8/5/2020 8:00:00 AM

Completed By: Juan Rojas

8/5/2020 8:20:19 AM

Reviewed By:

8/5/20

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: SPA 8.5.20

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	0	Good				
2	0.1	Good				

Chain-of-Custody Record

Client: Talon LPE

408 W Texas St

Mailing Address: Artesia, NM 88210

Phone #: 575-441-0980

email or Fax#: (575) 746-8905

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Turn-Around Time: 4-Day

☒ Standard ☐ Rush

Project Name: Devon Cotton Draw 39 (CDU89)

Project #:

700 794.241.01

Project Manager:

Rebecca Pons

Sampler: Roy Bell

On Ice ☒ Yes ☐ No

of Coolers: 2

Cooler Temp (including CO₂): 6.4 - 6.4 = 0

Container Type and #

Preservative Type

Ice/Cool

-001

-002

-003

-004

-005

-006

-007

-008

Date: Time: Relinquished by: Roy Bell

Date: Time: Relinquished by: Roy Bell

Date: Time: Relinquished by: Roy Bell

Date: Time: Relinquished by: Roy Bell

Date: Time: Relinquished by: Roy Bell

Date: Time: Relinquished by: Roy Bell

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Via: Date: Time: 8/24/20 11:07

Via: Date: Time: 8/24/20 11:07

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Via: Date: Time: 8/24/20 11:07

Via: Date: Time: 8/24/20 11:07

Remarks: Please cc the following via email:

Dadkins@talonlpe.com

Rpons@talonlpe.com

Bsincclair@talonlpe.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 28, 2023

KAYLA TAYLOR
TALON LPE
408 W. TEXAS AVE.
ARTESIA, NM 88210

RE: CDU 89

Enclosed are the results of analyses for samples received by the laboratory on 08/22/23 14:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
 KAYLA TAYLOR
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: CDU 89
 Project Number: 700794.018.01
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 1 1' (H234567-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	1.89	94.5	2.00	1.65	
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	94.2	2.00	0.877	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.97	98.3	2.00	1.47	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.83	97.1	6.00	0.914	
Total BTX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8800	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	147	73.7	200	2.66	
DRO >C10-C28*	284	10.0	08/24/2023	ND	163	81.5	200	3.18	
EXT DRO >C28-C36	42.2	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
KAYLA TAYLOR
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 08/22/2023
Reported: 08/28/2023
Project Name: CDU 89
Project Number: 700794.018.01
Project Location: EDDY COUNTY, NM

Sampling Date: 08/18/2023
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Sample ID: BH - 1 2' (H234567-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.89	94.5	2.00	1.65		
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	94.2	2.00	0.877		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.97	98.3	2.00	1.47		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.83	97.1	6.00	0.914		
Total BTEX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1720	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	147	73.7	200	2.66	
DRO >C10-C28*	64.7	10.0	08/24/2023	ND	163	81.5	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 KAYLA TAYLOR
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: CDU 89
 Project Number: 700794.018.01
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 1 3' R (H234567-03)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	1.89	94.5	2.00	1.65	
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	94.2	2.00	0.877	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.97	98.3	2.00	1.47	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.83	97.1	6.00	0.914	
Total BTX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	147	73.7	200	2.66	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	163	81.5	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
 KAYLA TAYLOR
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: CDU 89
 Project Number: 700794.018.01
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 2 1' (H234567-04)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.89	94.5	2.00	1.65		
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	94.2	2.00	0.877		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.97	98.3	2.00	1.47		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.83	97.1	6.00	0.914		
Total BTX	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	147	73.7	200	2.66	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	163	81.5	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TALON LPE
 KAYLA TAYLOR
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: CDU 89
 Project Number: 700794.018.01
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 3 1' (H234567-05)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/25/2023	ND	1.89	94.5	2.00	1.65		
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	94.2	2.00	0.877		
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.97	98.3	2.00	1.47		
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.83	97.1	6.00	0.914		
Total BTEx	<0.300	0.300	08/25/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	147	73.7	200	2.66	
DRO >C10-C28*	15.1	10.0	08/24/2023	ND	163	81.5	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TALON LPE
 KAYLA TAYLOR
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 08/22/2023
 Reported: 08/28/2023
 Project Name: CDU 89
 Project Number: 700794.018.01
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/18/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 4 1' (H234567-06)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2023	ND	1.89	94.5	2.00	1.65	
Toluene*	<0.050	0.050	08/25/2023	ND	1.88	94.2	2.00	0.877	
Ethylbenzene*	<0.050	0.050	08/25/2023	ND	1.97	98.3	2.00	1.47	
Total Xylenes*	<0.150	0.150	08/25/2023	ND	5.83	97.1	6.00	0.914	
Total BTX	<0.300	0.300	08/25/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/24/2023	ND	147	73.7	200	2.66	
DRO >C10-C28*	<10.0	10.0	08/24/2023	ND	163	81.5	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	08/24/2023	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in cursive script, appearing to read "C. D. Keene", written in black ink.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

[illegible][illegible]

Reimbursement By: ☐ **Partial** ☐ **Full**

Reinquinished By:	Matthew <i>Hand</i>	Received By:	8/22/23	Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:
		Date:	8/22/23	Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:
		Time:	1447	REMARKS:			
		Time:					
Delivered By: (Circle One)	-1.1c	Sample Condition	CHECKED BY:				
Sampler - UPS - Bus - Other:	#140	Cool	<input checked="" type="checkbox"/> Yes				
		Intact	<input checked="" type="checkbox"/> Yes				
		No	<input type="checkbox"/> No				
		No	<input type="checkbox"/> No				
			<i>Hand</i>				

Page 1 of 1

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 268685

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 268685
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NMLB1128636288 COTTON DRAW, thank you. This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation including pictures of the contoured backfilled excavation surface and a thorough discussion on reseeding mixture, vegetation ratio, timelines, etc., will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	2/14/2024