

Incident ID	nAB1816432279
District RP	
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: Dale Woodall Title: Env. Professional
 Signature: *Dale Woodall* Date: 11/16/2022
 email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Robert Hamlet Date: 2/13/2023

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: *Robert Hamlet* Date: 2/13/2023
 Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

DEVON ENERGY
Cotton Draw Unit #10 Fed Com 2H
Closure Plan

UL A, Section 10, T25S, R31E
Eddy County, New Mexico

2RP4804, NAB1816432279
2RP-5375, NAB1911943617

August 22, 2022



Prepared for:

Devon Energy
6488 Seven Rivers Hwy
Artesia, NM 88210

By:

Safety & Environmental Solutions, Inc.
703 East Clinton
Hobbs, New Mexico 88240
(575) 397-0510

Company Contacts

Representative	Company	Telephone	E-mail
Dale Woodall	Devon Energy	575-748-1838	Dale.Woodall@dvn.com
Bob Allen	SESI	575-397-0510	ballen@sesi-nm.com

Background

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was contracted by Devon Energy to assess a release at the Cotton Draw Unit #10 Fed Com H location. This site is situated in UL A, Section 10, Township 25S and Range 31E, in Eddy County New Mexico. We are addressing the release in this plan which will be remediated upon plan approval. There are two releases at this location: 2RP4804, NAB1816432279 and 2RP-5375, NAB1911943617.

Release 2RP4804, NAB1816432279

C-141, 2RP4804, dated 6-08-2018, reports the lease operator arrived on location and discovered oil coming from out of the pop off on the heater. The lease operator switched to the test vessel and isolated the heater to stop the release from occurring. Approximately 11.7bbls of oil was released and 0 bbls were recovered. The total size of the affected area is approximately 80' x 60'. All fluids remained on location.

Release 2RP-5375, NAB1911943617

C-141 NAB1911943617, dated October 23, 2018, reports that a heater treater over pressured. Repairs were made and approximately 15.441bbls of produced water was released and 12 bbls of produced water was recovered.

Surface and Ground Water

According to the NMOCDD Oil and Gas Map, there is no surface water within 3,000 feet of this location and spill areas. The nearest water well to the location records water level at 390.27 on 1/28/1976 which does not successfully establish current water levels in the area. However, on 4/25/2022, Devon made Application for Permit to Drill a well with No Water Right (WR-07) #C-4632 to install a soil boring at 32.152075, -103.761405 to the depth of 55' BGS. On 5/24/2022, the application was approved, and the soil boring was installed to a depth BGS of 55' on 6/08/2022. The borehole was left open for the required 72 hours and no water was encountered. The soil boring was plugged on 6/14/2022. (See Evidence Documents).

Characterization

Both releases have been fully delineated both vertically and horizontally, which includes establishing horizontal and vertical extent of delineation to the most stringent standard of 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene.

Release Area 2RP4804, NAB1816432279 Investigation

SESI personnel tracked and mapped the release and sampled the area to achieve both vertical and horizontal delineation. Samples were taken at the surface and 1-foot intervals until field testing indicated the samples to meet target levels. The horizontal extent samples are denoted on the map with an H beside the sample number. The samples were properly preserved and packaged and sent to Hall Environmental Labs for testing.

The results of the analytical are captured in the summary tables below.

		AH1 @ SURFACE	AH1 @ 1'	AH1 @ 2'	AH1 @ 3'
Analyte	Method	2/11/20	2/11/20	2/11/20	8/11/20
		mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B	<0.050	<0.050	<0.050	ND
Toluene	BTEX 8021B	<0.050	<0.050	<0.050	ND
Ethylbenzene	BTEX 8021B	<0.050	<0.050	<0.050	ND
Total Xylenes	BTEX 8021B	<0.150	<0.150	<0.150	ND
Total BTEX	BTEX 8021B	<0.300	<0.300	<0.300	N/A
Chloride	SM4500CI-B	10400	656	1170	ND
GRO	TPH 8015M	75.9	<10.0	<10.0	ND
DRO	TPH 8015M	12100	17.4	<10.0	ND
EXT DRO/MRO	TPH 8015M	2360	<10.0	<10.0	ND

		AH2 @ SURFACE	AH2 @ 1'	AH2 @ 2'	AH2 @ 2.5'
Analyte	Method	2/11/20	2/11/20	2/11/20	8/11/20
		mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B	<0.050	<0.050	<0.050	ND
Toluene	BTEX 8021B	<0.050	<0.050	<0.050	ND
Ethylbenzene	BTEX 8021B	0.236	<0.050	<0.050	ND
Total Xylenes	BTEX 8021B	<0.150	<0.150	<0.150	ND
Total BTEX	BTEX 8021B	<0.300	<0.300	<0.300	N/A
Chloride	SM4500CI-B	7460	624	1230	ND
GRO	TPH 8015M	11.2	<10.0	<10.0	ND
DRO	TPH 8015M	5120	19.7	<10.0	ND
EXT DRO/MRO	TPH 8015M	1290	<10.0	<10.0	ND

		AH3 @ SURFACE	AH3 @ 1'	AH3 @ 2'
Analyte	Method	2/11/20	2/11/20	2/11/20
		mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B	<0.050	<0.050	<0.050
Toluene	BTEX 8021B	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B	<0.050	<0.050	<0.050
Total Xylenes	BTEX 8021B	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B	<0.300	<0.300	<0.300
Chloride	SM4500CI-B	5520	640	144
GRO	TPH 8015M	<10.0	<10.0	<10.0
DRO	TPH 8015M	7330	<10.0	<10.0
EXT DRO	TPH 8015M	1180	<10.0	<10.0

		AH4 @ SURFACE	AH4 @ 1'	AH4 @ 2'
Analyte	Method	2/11/20	2/11/20	2/11/20
		mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B	<0.050	<0.050	<0.050
Toluene	BTEX 8021B	<0.050	<0.050	<0.050
Ethylbenzene	BTEX 8021B	0.38	<0.050	<0.050
Total Xylenes	BTEX 8021B	<0.150	<0.150	<0.150
Total BTEX	BTEX 8021B	0.38	<0.300	<0.300

		AH4 @ SURFACE	AH4 @ 1'	AH4 @ 2'
Analyte	Method	2/11/20	2/11/20	2/11/20
		mg/kg	mg/kg	mg/kg
Chloride	SM4500CI-B	1100	640	160
GRO	TPH 8015M	16.5	<10.0	12.8
DRO	TPH 8015M	4020	35.1	<10.0
EXT DRO	TPH 8015M	811	<10.0	<10.0

Horizontal		H-5 north	H-6 West	H-7 Southwest	H-8 South	H-9 East
Analyte	Method	8/11/20	8/11/20	8/11/20	8/11/20	8/11/20
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	BTEX 8021B	ND	ND	ND	ND	ND
Toluene	BTEX 8021B	ND	ND	ND	ND	ND
Ethylbenzene	BTEX 8021B	ND	ND	ND	ND	ND
Total Xylenes	BTEX 8021B	ND	ND	ND	ND	ND
Total BTEX	BTEX 8021B	N/A	N/A	N/A	N/A	N/A
Chloride	SM4500CI-B	ND	160	190	77	89
GRO	TPH 8015M	ND	ND	ND	ND	ND
DRO	TPH 8015M	34	18	21	ND	ND
EXT DRO/MRO	TPH 8015M	ND	ND	ND	ND	ND

Based on the results of the soil boring installed on 6/8/2022, SESI respectfully requests that the closure criteria in Table 1 in Title 19 Chapter 15 part 21 NMAC be used for this release. The soil boring proved the depth to groundwater within ½ mile of the release location is more than 51' BGS. The table allows leaving Chlorides of 10,000 mg/kg, TPH (GRO+DRO+MRO) of 2,500 mg/kg, GRO + DRO of 1,000 mg/kg, BTEX 50mg/kg, and Benzene of 10 mg/kg.

The sampling results do not meet this criterion. Based on the results above for vertical extent samples AH-1 through AH-4, SESI proposes the entire release area (**approximately 1,161 square feet**) be excavated to a depth of approximately 1' where closure target levels may be found.

Based on the results above for horizontal extent samples H-5 through H-8, the horizontal extent of this release has been identified.

Release Area 2RP-5375, NAB1911943617 Investigation

SESI personnel tracked and mapped the release and sampled the area to achieve both vertical and horizontal delineation. Samples were taken at the surface and 1-foot intervals until field testing indicated the samples to meet target levels. The horizontal extent samples are denoted on the map with an H beside the sample number. The samples were properly preserved and packaged and sent to Hall Environmental Labs for testing.

The results of the analytical are captured in the summary table below.

		AH-1 @ Surface	AH-1 @ 1'	AH-1 @ 2'
Analyte	Method	2/21/20	2/21/20	2/21/20
		mg/kg	mg/kg	mg/kg
Chloride	SM4500CI-B	260	ND	ND
DRO	TPH 8015M	28000	1100	73
MRO	TPH 8015M	11000	550	ND

		AH-1 @ Surface	AH-1 @ 1'	AH-1 @ 2'
Analyte	Method	2/21/20	2/21/20	2/21/20
		mg/kg	mg/kg	mg/kg
GRO	TPH 8015M	350	40	ND
Benzene	BTEX 8021B	ND	ND	ND
Toluene	BTEX 8021B	ND	ND	ND
Ethylbenzene	BTEX 8021B	ND	ND	ND
Total Xylenes	BTEX 8021B	ND	ND	ND

		AH-2 @ Surface	AH-2 @ 1'	AH-2 @ 2'
Analyte	Method	2/21/20	2/21/20	2/21/20
		mg/kg	mg/kg	mg/kg
Chloride	SM4500CI-B	110	ND	ND
DRO	TPH 8015M	12000	630	160
MRO	TPH 8015M	6200	250	88
GRO	TPH 8015M	120	69	7.3
Benzene	BTEX 8021B	ND	ND	ND
Toluene	BTEX 8021B	ND	ND	ND
Ethylbenzene	BTEX 8021B	ND	ND	ND
Total Xylenes	BTEX 8021B	ND	0.12	ND

		AH-3 @ Surface	AH-3 @ 1'	AH-3 @ 2'	AH-3 @ 2.5'
Analyte	Method	2/21/20	2/21/20	2/21/20	8/11/20
		mg/kg	mg/kg	mg/kg	mg/kg
Chloride	SM4500CI-B	260	ND	ND	170
DRO	TPH 8015M	29000	740	180	ND
MRO	TPH 8015M	11000	400	91	ND
GRO	TPH 8015M	230	29	ND	ND
Benzene	BTEX 8021B	ND	ND	ND	ND
Toluene	BTEX 8021B	ND	ND	ND	ND
Ethylbenzene	BTEX 8021B	ND	ND	ND	ND
Total Xylenes	BTEX 8021B	0.53	ND	ND	ND

		AH-4 @ Surface	AH-4 @ 1'	AH-4 @ 2'	AH-4 @ 3'
Analyte	Method	2/21/20	2/21/20	2/21/20	8/11/20
		mg/kg	mg/kg	mg/kg	mg/kg
Chloride	SM4500CI-B	110	ND	ND	180
DRO	TPH 8015M	13000	730	250	ND
MRO	TPH 8015M	6500	300	130	ND
GRO	TPH 8015M	130	68	12	ND
Benzene	BTEX 8021B	ND	ND	ND	ND
Toluene	BTEX 8021B	ND	ND	ND	ND
Ethylbenzene	BTEX 8021B	ND	ND	ND	ND
Total Xylenes	BTEX 8021B	ND	0.2	ND	ND

		UC1
Analyte	Method	2/21/20
		mg/kg
Chloride	SM4500CI-B	ND
DRO	TPH 8015M	ND
MRO	TPH 8015M	ND
GRO	TPH 8015M	ND
Benzene	BTEX 8021B	ND
Toluene	BTEX 8021B	ND
Ethylbenzene	BTEX 8021B	ND
Total Xylenes	BTEX 8021B	ND

Horizontal		H-5 West	H-6 Southwest	H-7 South	H-8 East	H-9 Northeast	H-10 Northwest
Analyte	Method	8/11/20	8/11/20	8/11/20	8/11/20	8/11/20	8/11/20
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Chloride	SM4500CI-B	190	ND	110	ND	180	79
DRO	TPH 8015M	15	ND	ND	ND	16	ND
MRO	TPH 8015M	ND	ND	ND	ND	ND	ND
GRO	TPH 8015M	ND	ND	ND	ND	ND	ND
Benzene	BTEX 8021B	ND	ND	ND	ND	ND	ND
Toluene	BTEX 8021B	ND	ND	ND	ND	ND	ND
Ethylbenzene	BTEX 8021B	ND	ND	ND	ND	ND	ND
Total Xylenes	BTEX 8021B	ND	ND	ND	ND	ND	ND

Based on the results of the soil boring installed on 6/8/2022, SESI respectfully requests that the closure criteria in Table 1 in Title 19 Chapter 15 part 21 NMAC be used for this release. The soil boring proved the depth to groundwater within ½ mile of the release location is more than 51' BGS. The table allows leaving Chlorides of 10,000 mg/kg, TPH (GRO+DRO+MRO) of 2,500 mg/kg, GRO + DRO of 1,000 mg/kg, BTEX 50mg/kg, and Benzene of 10 mg/kg.

The sampling results do not meet this criterion. Based on the results above for vertical extent samples AH-1 through AH-4, SESI proposes the entire release area (**approximately 5,609 square feet**) be excavated to a depth of approximately 1' where closure target levels may be found.

Release Area 2RP-5375, NAB1911943617 Work Performed

On March 25, 2020, SESI was onsite to hand excavate a portion of this release. Approximately 317 square feet of the release area was excavated by hand to a depth of 1'. The excavated soil was transported to and NMOCD approved disposal facility. The excavation was backfilled with fresh caliche and returned to previous grade.

SESI personnel tracked and mapped the release and sampled the bottom of the excavation. The samples were properly preserved and packaged and sent to Hall Environmental Labs for testing.

The results of the analytical are captured in the summary tables below.

		SP1 @ 1'
Analyte	Method	3/30/20
		mg/kg
Chloride	SM4500CI-B	580
DRO	TPH 8015M	ND
MRO	TPH 8015M	ND
GRO	TPH 8015M	ND
Benzene	BTEX 8021B	ND
Toluene	BTEX 8021B	ND
Ethylbenzene	BTEX 8021B	ND
Total Xylenes	BTEX 8021B	ND

		SP2 @ 1'
Analyte	Method	3/30/20
		mg/kg
Chloride	SM4500CI-B	590
DRO	TPH 8015M	ND
MRO	TPH 8015M	ND
GRO	TPH 8015M	ND
Benzene	BTEX 8021B	ND
Toluene	BTEX 8021B	ND
Ethylbenzene	BTEX 8021B	ND
Total Xylenes	BTEX 8021B	ND

Based on the results above for confirmation samples SP1 and SP2, and the results of the soil boring installed on 6/1/2022, SESI respectfully requests that this area of the release be closed using the closure criteria in Table 1 in Title 19 Chapter 15 part 21 NMAC. The soil boring proved the depth to groundwater within ½ mile of the spill location is over 51' BGS.

The table allows leaving Chlorides of 10,000 mg/kg, TPH (GRO+DRO+MRO) of 2,500 mg/kg, GRO + DRO of 1,000 mg/kg, BTEX 50mg/kg, and Benzene of 10 mg/kg. Sampling results meet this criterion.

Of the remaining 5,292 square feet of this release area, only 1,869 square feet can be excavated by mechanical means to the depth of 1'. Approximately 3,423 square feet of this release area is under production vessels and associated piping and will cannot be excavated using mechanized equipment. SESI proposes that this area be deferred until the decommissioning of this location. (See Photos of Area for Proposed Deferment).

Action Plan Release Area 2RP-5375, NAB1911943617

SESI proposes **the 1,869 square foot area be excavated to the depth of 1'**. The excavated soil will be transported to an NMOCD approved disposal facility. Notice of confirmation sampling will be given to Devon prior to sampling of the sides and bottom of this excavation. Once the results of the confirmation sampling are received and meet the closure criterion, the excavation will be backfilled with fresh caliche and returned to grade.

Supplemental and Supporting Documentation

- Evidence Document 1: Map of Release area, with vertical and horizontal extent sample locations
- Evidence Document 2: NMOCD Oil and Gas Topo map detailing area water features
- Evidence Document 3: Photos (Excavation and Deferral Area)
- Evidence Document 4: NMOSE Form WR-07
- Evidence Document 5 NMOSE Approval
- Evidence Document 6 Plugging Plan
- Evidence Document 7: Well Log
- Evidence Document 8: BLM Cave Karst map showing location in low potential area
- Evidence Document 9: FEMA demonstrating minimal flood hazards for this area
- Evidence Document 10: Lab analysis for Release area

Devon, CDU 10 Fed Com 2H

DEV-20-008
2RP-4804, NAB1816432279
2RP-5375, NAB1911943617

Legend

-  10/10/18 samples
-  5/27/18 (blue), 10/10/18 (green)
-  5/27/18 samples
-  Leak area, 5/27/18



Google Earth

100 ft



OSE POD Locations Map



8/31/2022, 10:55:59 AM

GIS WATERS PODs

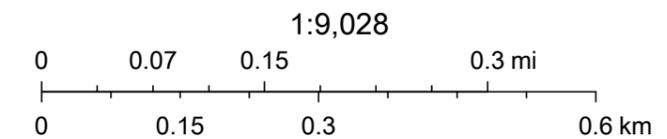
● Active

□ OSE District Boundary

New Mexico State Trust Lands

■ Subsurface Estate

▤ Site Boundaries



Esri, HERE, GeoTechnologies, Inc., Esri, HERE, Garmin, GeoTechnologies, Inc., U.S. Department of Energy Office of Legacy Management, Maxar



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft per annum)

(R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

C=the file is closed (quarters are smallest to largest) (NAD83 UTM in meters)

WR File Nbr	Sub			Owner	County	POD Number	Well			Source	q q q			X	Y			
	basin	Use	Diversion				Tag	Code	Grant		6416	4	Sec			Tws	Rng	
C 04632	CUB	EXP	0	DEVON ENERGY	ED	C 04632 POD1	NA				1	2	2	10	25S	31E	616802	3557964

Record Count: 1

POD Search:

POD Number: C 04632

Sorted by: File Number

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.



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USGS Water Resources

Data Category: Groundwater Geographic Area: New Mexico GO

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Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs
site_no list =
• 320932103443801

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320932103443801 25S.31E.02.23441

Eddy County, New Mexico
Latitude 32°09'37.4", Longitude 103°44'29.6" NAD83
Land-surface elevation 3,460.00 feet above NGVD29
The depth of the well is 1,016 feet below land surface.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1966-08-18		D	400.00			2			U	
1976-01-28		D	390.27			2			U	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Title: Groundwater for New Mexico: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?>



Page Contact Information: [New Mexico Water Data Maintainer](#)

Page Last Modified: 2020-03-25 12:35:26 EDT

1.61 0.25 nadww01

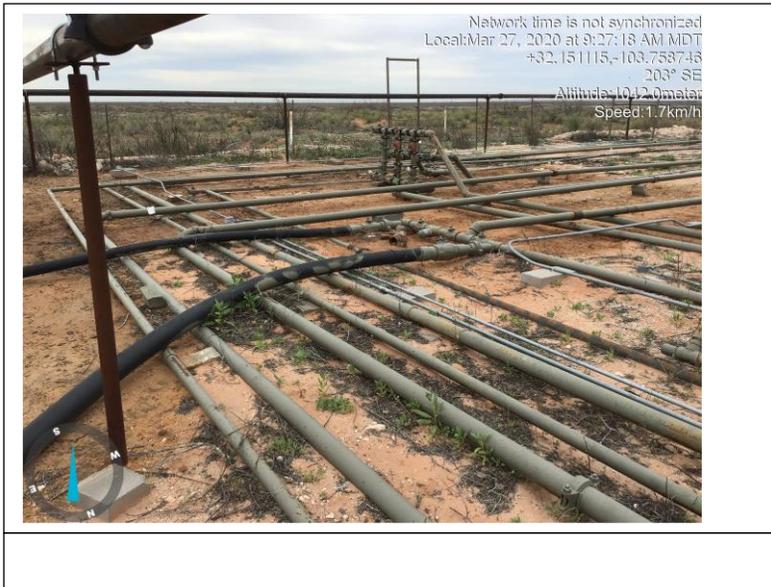
Devon – Cotton Draw Unit #10 Fed Com 2H Excavation Photos



Devon – Cotton Draw Unit #10 Fed Com 2H Excavation Photos



Devon – Cotton Draw Unit #10 Fed Com 2H Deferral Area Photos



File No. C-04632

NEW MEXICO OFFICE OF THE STATE ENGINEER



WR-07 APPLICATION FOR PERMIT TO DRILL

A WELL WITH NO WATER RIGHT

(check applicable box):



For fees, see State Engineer website: <http://www.ose.state.nm.us/>

Purpose:	<input type="checkbox"/> Pollution Control And/Or Recovery	<input type="checkbox"/> Ground Source Heat Pump
<input type="checkbox"/> Exploratory Well (Pump test)	<input type="checkbox"/> Construction Site/Public Works Dewatering	<input checked="" type="checkbox"/> Other(Describe): Groundwater Determination
<input type="checkbox"/> Monitoring Well	<input type="checkbox"/> Mine Dewatering	

A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive.

<input type="checkbox"/> Temporary Request - Requested Start Date:	Requested End Date:
--	---------------------

Plugging Plan of Operations Submitted? Yes No

1. APPLICANT(S)

Name: Devon Energy	Name:
Contact or Agent: Dale Woodall	Contact or Agent:
check here if Agent <input type="checkbox"/>	check here if Agent <input type="checkbox"/>
Mailing Address: 6488 7 Rivers Hwy	Mailing Address:
City: Artesia	City:
State: NM	State:
Zip Code: 88210	Zip Code:
Phone: 575-748-1838	Phone:
Phone (Work):	Phone (Work):
<input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell	<input type="checkbox"/> Home <input type="checkbox"/> Cell
E-mail (optional): Dale.Woodall@dvn.com	E-mail (optional):

USE DTI MAY 12 2022 PM 1:33

FOR OSE INTERNAL USE

Application for Permit, Form WR-07, Rev 11/17/18

File No.: C-04632	Trn. No.: 724269	Receipt No.: 2-44570
Trans Description (optional): 10 255 312 1-2-2		
Sub-Basin: C	PCW/LOG Due Date: 5/24/23	

2. WELL(S) Describe the well(s) applicable to this application.

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84).
District II (Roswell) and District VII (Cimarron) customers, provide a PLSS location in addition to above.

NM State Plane (NAD83) (Feet)
 UTM (NAD83) (Meters)
 Lat/Long (WGS84) (to the nearest 1/10th of second)

NM West Zone
 Zone 12N

NM East Zone
 Zone 13N

NM Central Zone

Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	Provide if known: -Public Land Survey System (PLSS) (Quarters or Halves, Section, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name
C-04632-POD1(FW-1)	-103°45'41.06"	32°9'7.47"	NW NE NE Sec.10 T25S R31E NMPM

NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions)
 Additional well descriptions are attached: Yes No If yes, how many _____

Other description relating well to common landmarks, streets, or other:
 Site ID:20
 Location Name:Cotton Draw Unit 134H

Well is on land owned by: Bureau of Land Management

Well Information: NOTE: If more than one (1) well needs to be described, provide attachment. Attached? Yes No
 If yes, how many _____

Approximate depth of well (feet): 55 Outside diameter of well casing (inches): 2.375 or 1.315

Driller Name: Jackie D. Atkins Driller License Number: 1249

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

A Soil Boring to determine depth up to 55 feet. Temporary PVC well material will be placed to total depth and secured at surface. Temporary well will be in place for minimum of 72 hours. If ground water is encountered the boring will be plugged immediately using augers as tremie to land a slurry of Portland TYPE III Neat cement less than 6.0 gallons of water per 94 lb. sack. If no water is encountered then drill cuttings will be used to (10) ten feet of land surface and plugged using hydrated bentonite.

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FOR OSE INTERNAL USE Application for Permit, Form WR-07

File No.: C-04632	Trn No.: 726269
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4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

<p>Exploratory: <input type="checkbox"/> Include a description of any proposed pump test, if applicable.</p>	<p>Pollution Control and/or Recovery: <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for the pollution control or recovery operation. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The annual diversion amount. <input type="checkbox"/> The annual consumptive use amount. <input type="checkbox"/> The maximum amount of water to be diverted and injected for the duration of the operation. <input type="checkbox"/> The method and place of discharge.</p>	<p>Construction De-Watering: <input type="checkbox"/> Include a description of the proposed dewatering operation, <input type="checkbox"/> The estimated duration of the operation, <input type="checkbox"/> The maximum amount of water to be diverted, <input type="checkbox"/> A description of the need for the dewatering operation, and, <input type="checkbox"/> A description of how the diverted water will be disposed of.</p>	<p>Mine De-Watering: <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for mine dewatering. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The source(s) of the water to be diverted. <input type="checkbox"/> The geohydrologic characteristics of the aquifer(s). <input type="checkbox"/> The maximum amount of water to be diverted per annum. <input type="checkbox"/> The maximum amount of water to be diverted for the duration of the operation. <input type="checkbox"/> The quality of the water.</p>
<p>Monitoring: <input type="checkbox"/> Include the reason for the monitoring well, and, <input type="checkbox"/> The duration of the planned monitoring.</p>	<p><input type="checkbox"/> The method of measurement of water produced and discharged. <input type="checkbox"/> The source of water to be injected. <input type="checkbox"/> The method of measurement of water injected. <input type="checkbox"/> The characteristics of the aquifer, <input type="checkbox"/> The method of determining the resulting annual consumptive use of water and depletion from any related stream system. <input type="checkbox"/> Proof of any permit required from the New Mexico Environment Department. <input type="checkbox"/> An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.</p>	<p>Ground Source Heat Pump: <input type="checkbox"/> Include a description of the geothermal heat exchange project, <input type="checkbox"/> The number of boreholes for the completed project and required depths. <input type="checkbox"/> The time frame for constructing the geothermal heat exchange project, and, <input type="checkbox"/> The duration of the project. <input type="checkbox"/> Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.</p>	<p><input type="checkbox"/> The method of measurement of water diverted. <input type="checkbox"/> The recharge of water to the aquifer. <input type="checkbox"/> Description of the estimated area of hydrologic effect of the project. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. <input type="checkbox"/> A description of the methods employed to estimate effects on surface water rights and underground water rights. <input type="checkbox"/> Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.</p>

ACKNOWLEDGEMENT

I, We (name of applicant(s)), Dale Woodall (Devon Energy)

Print Name(s)

affirm that the foregoing statements are true to the best of (my, our) knowledge and belief.

Dale Woodall

Dale Woodall 7/11/25, 3:02:48 PM MDT

Applicant Signature

Applicant Signature

ACTION OF THE STATE ENGINEER

This application is:

- approved partially approved denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this 24 day of May 20 22, for the State Engineer,

Mike Hamman, P.E. State Engineer

By: K. Parekh
Signature

Kashyap Parekh
Print

Title: Water Resource manager I
Print

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FOR OSE INTERNAL USE

Application for Permit, Form WR-07

File No.: <u>C-04632</u>	Trn No.: <u>726269</u>
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FORM 81- COPY
LEASE NO. K-4562

APPLICATION NO. K-4362

OIL AND GAS LEASE

17th November

64

THIS AGREEMENT, dated this the 17th day of November, A.D. 1964, made and entered into by and between the state of New Mexico, acting by and through the undersigned, its commissioner of public lands, thereunto duly authorized, party of the first part and hereinafter called the "lessor", and

TEXACO, INC.

P. O. Box 3109, Midland, Texas

party of the second part, hereinafter called the "lessee", whether one or more,

WITNESSETH:

WHEREAS, the said lessee has filed in the office of the commissioner of public lands an application for an oil and gas lease covering the lands hereinafter described and has tendered therewith the required first payment being not less than the amount required by law and by the rules and regulations of the New Mexico State Land Office; and

WHEREAS, all of the requirements of law relative to said application and tender have been duly complied with and said application has been approved and allowed by the commissioner of public lands;

THEREFORE, for and in consideration of the premises as well as the sum of **FORTY TWO THOUSAND AND NO/100 DOLLARS**

(\$ 42,000.00) Dollars.

The sum being the amount of \$42,000 under above mentioned, paid in cash and evidenced by official receipt no. B-07951 and of the further sum of \$_____ filing fee, and of the covenants and agreements hereinafter contained on the part

of the lessee to be paid, kept and performed, the said lessor has granted and demised, leased and let, and by these presents does grant, demise, lease and let unto the said lessee, exclusively, for the sole and only purpose of exploration, development and production of oil or gas, or both thereof and therefrom with the right to own all oil and gas so produced and saved therefrom and not reserved as royalty by the lessor under the terms of this lease, together with right of ways, easements and servitudes for pipeline, telephone and telegraph lines, tanks, power houses, stations, gasoline plants, and fixtures for producing, treating and curing for such products, and housing and boarding employees, and any and all rights and privileges necessary, incident to or convenient for the economical operation of said land, for oil and gas, with right for such purpose to the free use of oil, gas, cooling-water, or water, from said lands, but not from lessor's water wells, and with the rights of removing either during or after the term hereof, all and any improvements placed or erected on the premises by the lessee, including the right to sell all same, subject, however, to the conditions hereinafter set out, the following described land situated in the county of Eddy state of New Mexico, and more particularly described as follows:

Line	SUBDIVISION	Sec.	Twp.	Rge.	Acres	Institution	V
1	Lot 1 (40.30), Lot 2 (40.08), Lot 3 (39.88), Lot 4 (39.66), 8 1/4 N, 2 1/2 E	2	258	31E	639.92	CS	
2					639.92		
3							
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Said lands having been awarded to lessee and designated as Tract No. C-3 at a public sale held by the commissioner of public lands on November 17th 1964 (To be filled in only where lands are offered at public sale.)

To have and to hold said land, and all the rights and privileges granted hereunder, to and unto the lessee for a primary term of five years from the date hereof, and as long thereafter as oil and gas in paying quantities or either of them, is produced from said land by the lessee, subject to all of the terms and conditions as hereinafter set forth.

In consideration of the premises the parties covenant and agree as follows:

1. Subject to the free use without royalty, as hereinafter provided, the lessee shall pay the lessor as royalty one-eighth part of the oil produced and saved from the leased premises or the cash value thereof, at the option of the lessor, such value to be the price prevailing the day oil is run into a pipeline, if the oil be run into a pipeline, or into storage tanks, if the oil be stored.

2. Subject to the free use without royalty, as hereinafter provided, the lessee shall pay the lessor as royalty one-eighth of the cash value of gas, including casinghead gas, produced and saved from the leased premises and marketed or utilized, such value to be equal to the greater of the following amounts:

- (a) the net proceeds derived from the sale of such gas in the field, or
- (b) five cents (\$0.05) per thousand cubic feet (m.c.f.) the volume of gas for such purposes to be computed on a pressure basis of 10 ounces above an assumed atmospheric pressure of 14.4 pounds per square inch, or 15,025 pounds per square inch absolute, at 60° Fahrenheit, and pursuant to appropriate regulations of the commissioner of public lands which may provide, among other things, for a flowing temperature of 60° Fahrenheit to be assumed and applied in volume computation in all cases where a recording thermometer is not employed by the lessee in gas measurement, and for specific gravity tests at the lessee's expense at intervals not greater than one year in all cases where a recording gravimeter is not employed by the lessee in gas measurement; provided, however, the cash value for royalty purposes of carbon dioxide gas and of hydrocarbon gas delivered to a gas-line plant for extraction of liquid hydrocarbons shall be equal to the net proceeds derived from the sale of such gas, including any liquid hydrocarbons recovered therefrom.

Notwithstanding the foregoing provisions, the lessor, acting by its commissioner of public lands, may require the payment of royalty for all or any part of the gas produced and saved under this lease and marketed or utilized at a price per m.c.f. equal to the maximum price being paid for gas of like kind and quality and under like conditions in the same field or area or may reduce the royalty value of any such gas to any amount not less than the net proceeds of sale thereof in the field if the commissioner of public lands shall determine such action to be necessary to the successful operation of the lands for oil or gas purposes or to encouragement of the greatest ultimate recovery of oil or gas or to the promotion of conservation of oil or gas.

This lease shall not expire at the end of either the primary or secondary term hereof if there is a well capable of producing gas in paying quantities located upon some part of the lands embraced herein where such well is shut-in due to the inability of the lessee to obtain a pipeline connection or to market the gas therefrom; provided, however, the owner of this lease as to the lands upon which such well is located shall pay an annual royalty equal to the annual rental payable by such owner under the terms of this lease but not less than one hundred dollars (\$100.00) per well per year, said royalty to be paid on or before the annual rental paying date next ensuing after the expiration of ninety days from the date said well was shut-in on or on or before said rental date thereafter. The payment of said annual royalty shall be considered for all purposes the same as if gas were being produced in paying quantities and upon the commencement of marketing of gas from said well or wells the royalty paid for the lease year in which the gas is first marketed shall be credited upon the royalty payable hereunder to the lessor for such year. The provisions of this section shall also apply where gas is being marketed from said leasehold premises and through no fault of the lessee, the pipeline connection or market is lost or ceases in which case this lease shall not expire so long as said annual royalty is paid as herein provided. Notwithstanding the provisions of this section to the contrary, this lease shall not be continued after ten years from the date hereof for any period of more than five years by the payment of said annual royalty.

3. Lessee agrees to make full settlement on the 20th day of each month for all royalties due the lessor for the preceding month under this lease, and to permit the lessor or its agents, at all reasonable hours, to examine lessee's books relating to the production and disposition of oil and gas produced. Lessee further agrees to submit to lessor annually upon forms furnished by lessor, verified reports showing lessee's operations for the preceding year.

4. It is expressly agreed that the consideration hereinafter specified is a good, valid and substantial consideration and sufficient in all respects to support such and every covenant herein, including specifically the option granted the lessee to prevent the termination of this lease from year to year, by the payment or tender of the further rental hereinafter provided for.

An annual rental at the rate of 25¢ per acre shall become due and payable to the lessor by the lessee, or by any transferee or assignee of the same, or any part thereof, where such transferee or assignee has been recognized, and such transfer or assignment approved by the lessor as hereinafter provided, upon each acre of the land above described and then claimed by such lessee, transferee or assignee hereunder, and the same shall be due and payable in advance to the lessor on the successive anniversary dates of this lease, but the annual rental on any assignment shall in no event be less than six dollars (\$6.00).

In the event the lessee shall elect to surrender any or all of said acreage, he shall deliver to the commissioner a duly executed release thereof and in event said lease has been recorded, then he shall upon request furnish and deliver to said commissioner a certified copy of a duly recorded release.

5. The lessee may at any time by paying to the state of New Mexico, acting by its commissioner of public lands, or other authorized officer, all amounts then due as provided herein and the further sum of ten dollars (\$10.00), surrender and cancel this lease insofar as the same covers all or any portion of the lands herein leased and be relieved from further obligations or liability hereunder, in the manner as hereinafter provided. Provided, this surrender clause and the option herein reserved to the lessee shall cease and become absolutely inoperative immediately and concurrently with the institution of any suit in any court of law or equity by the lessee, lessor, or any assignee, to enforce this lease, or any of its terms express or implied.

6. All payments due hereunder shall be made on or before the day such payment is due, in cash or by certified exchange at the office of the commissioner of public lands in Santa Fe, New Mexico.

7. The lessee with the consent of the lessor, shall have the right to assign this lease in whole or in part. Provided, however, that no assignment of an undivided interest in the lease or in any part thereof nor any assignment of less than a local subdivision shall be recognized or approved by the lessor. Upon approval in writing by the lessor of an assignment, the assignor shall stand relieved from all obligations to the lessor with respect to the lands embraced in the assignment and the lessor shall likewise be relieved from all obligations to the assignor as to such lands, and the assignee shall succeed to all of the rights and privileges of the assignor with respect to such lands and shall be held to have assumed all of the duties and obligations of the assignor to the lessor as to such lands.

8. In the event a well or wells producing oil or gas in paying quantities should be brought in on adjacent land draining the leased premises, lessee shall drill such offset well or wells as a reasonably prudent operator would drill under the same or similar circumstances.

9. The lessee agrees to notify the lessor of the location of each well before commencing drilling thereon, to keep a complete and accurate log of each well drilled and to furnish a copy thereof, verified by some person having actual knowledge of the facts, to the lessor upon the completion of any well, and to furnish the log of any unfinished well at any time when requested to do so by the lessor.

If any lands embraced in this lease shall be included in any deed or contract of purchase outstanding and subsisting issued pursuant to any sale made of the surface of such lands prior to the date of this lease, it is agreed and understood that no drilling operation shall be commenced on any such lands as said unless and until the lessee or his assignee shall have filed a good and sufficient bond with the lessor as required by law, to secure the payment for such damage to the livestock, crops, water, crops or tangible improvements on such lands as may be suffered by the purchaser holding such deed or contract of purchase, or his successors, by reason of the developments, use and occupation of such lands by such lessee. Provided, however, that no such bond shall be required if such purchaser shall waive the right to require such bond to be given in the manner provided by law.

10. In drilling wells all water-bearing strata shall be tested in the log, and the lessor reserves the right to require that all or any part of the casing shall be left in any nonproductive well when lessor deems it to be in the interest of the state of New Mexico to maintain said well or wells for water. For such casing as left in wells the lessor shall pay to the lessee the reasonable value thereof.

11. Lessee shall be liable and agree to pay for all damages to the range, livestock, growing crops or improvements caused by lessee's operations on said lands. When requested by the lessor, the lessee shall bury pipelines below plow depth.

USE ON MAY 12 2022 PML:35

12. The lessee shall maintain by machinery or fixtures placed on said premises, draw the casing from any well unless and until all payments and obligations due the lessor under the terms of this agreement shall have been paid or satisfied. The lessee's right to remove the casing is subject to the provision of Paragraph 10 above.

13. Upon failure or default of the lessee or any assignee to comply with any of the provisions or covenants hereof, the lessor is hereby authorized to cancel this lease and such cancellation shall extend to and include all rights hereunder as to the whole of the land so claimed, or prorrated by the lessee or assignee as defaulting, but shall not extend to, nor affect the rights of any other lessee or assignee claiming any portion of the lands upon which no default has been made; provided, however, that before any such cancellation shall be made, the lessor shall mail to the lessee or assignee as defaulting, by registered mail, addressed to the post-office address of such lessee or assignee as shown by the records of the state land office, a notice of intention of cancellation specifying the default for which cancellation is to be made, and if within thirty days from the date of mailing said notice the said lessee or assignee shall remedy the default specified in said notice, cancellation shall not be made.

14. All of the terms of this agreement shall extend to and bind the heirs, executors, administrators, successors and assigns of the parties hereto.

15. If the lessee shall have failed to make discovery of oil or gas in paying quantities during the primary term hereof or if such discovery shall have been made and production shall have ceased for any reason, the lessee may continue this lease in full force and effect for an additional term of five years, and as long thereafter as oil and gas in paying quantities or either of them is produced from the leased premises by paying each year in advance, as herein provided, double the rental provided herein for the primary term, or the highest rental prevailing at the commencement of the secondary term in any rental district or districts in which the lands, or any part thereof, may be situated, if it be greater than double the rental provided for the primary term; provided, however, such rental shall be paid within the time provided by Section 13 hereof, and provided, further, that if oil or gas in paying quantities should be discovered during the secondary term hereof but production should cease, this lease shall continue for the remainder of said secondary term of five years so long as said rental is paid, and if oil or gas in paying quantities is being produced at the end of the secondary term of five years as long thereafter as oil and gas in paying quantities or either of them is produced from the leased premises.

16. If this lease shall have been maintained in accordance with the provisions hereof and if at the expiration of the secondary term provided for herein oil or gas is not being produced on said land but work or any assignee is then engaged in both the drilling or reworking operations thereon, this lease shall remain in full force and effect so long as such operations are diligently prosecuted and, if they result in the production of oil or gas, so long thereafter as oil and gas in paying quantities, or either of them, is produced from said land; provided, however, such operations extending beyond the secondary term shall be approved by the lessor upon written application filed with the lessor on or before the expiration of said term, and a report of the status of all such operations shall be made by the lessee to the lessor every thirty days and a cessation of such operations for more than twenty consecutive days shall be considered as an abandonment of such operations and thereupon the provisions hereof shall be of no further force or effect. Operations commenced and continued as herein provided shall extend this lease as to all lands on to which the same is in full force and effect as of the time said drilling operations are commenced; provided, however, this lease shall be subject to cancellation for failure to pay rentals or to otherwise comply with the foregoing provisions of this section in accordance with Section 13 hereof.

17. Should production of oil or gas or either of them in paying quantities be obtained while this lease is in force and effect and should thereafter cease from any cause after the expiration of ten years from the date hereof this lease shall not terminate if lessee commences additional drilling or reworking operations within sixty days after the cessation of such production and shall remain in full force and effect so long as such operations are prosecuted in good faith with no cessation of more than twenty consecutive days, and if such operations result in the production of oil or gas in paying quantities, so long thereafter as oil or gas in paying quantities is produced from said land; provided, however, written notice of intention to commence such operations shall be filed with the lessor within thirty days after the cessation of such production, and report of the status of such operations shall be made by the lessee to the lessor every thirty days, and the cessation of such operations for more than twenty consecutive days shall be considered as an abandonment of such operations and this lease shall thereupon terminate.

In witness whereof, the party of the first part has hereunto signed and caused its name to be signed by its commissioner of public lands thereunto duly authorized, with the seal of his office affixed, and the lessee has signed this agreement the day and year first above written.

Copy to State of New Mexico

Approved as to Terms: WGA By: Ed. James Walker
Commissioner of Public Lands, Lessor

Approved as to Form: WMA By: J. H. Markley
Attorney-in-Fact, Lessee (Seal)

Dated this the 23rd day of November, 1964

(PERSONAL ACKNOWLEDGMENT)

STATE OF _____
COUNTY OF _____
The foregoing instrument was acknowledged before me this _____ day of _____, 19____, by _____

My commission expires _____ Notary Public

(ACKNOWLEDGMENT BY ATTORNEY-IN-FACT)

STATE OF _____
COUNTY OF _____
The foregoing instrument was acknowledged before me this _____ day of _____, 19____, by _____ as attorney-in-fact in behalf of _____

My commission expires _____ Notary Public

(ACKNOWLEDGMENT BY CORPORATION)

STATE OF TEXAS
COUNTY OF MIDLAND
The foregoing instrument was acknowledged before me this 27 day of November, 1964, by J. H. Markley, Attorney-in-Fact of TEXACO INC.

Delaware Corporation, on behalf of said corporation.
My commission expires 6-1-65 Notary Public

RECEIVED
NOV 30 9 38 AM '64
STATE LAND OFFICE
SANTA FE, N.M.

230247A

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DESS WALLACE

NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL

- 17-16 Construction of a water well by anyone without a valid New Mexico Well Driller License is illegal, and the landowner shall bear the cost of plugging the well by a licensed New Mexico well driller. This does not apply to driven wells, the casing of which does not exceed two and three-eighths inches outside diameter.
- 17-1A Depth of the well shall not exceed the thickness of the valley fill.
- 17-4 No water shall be appropriated and beneficially used under this permit.
- 17-6 The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable and approved by the state engineer. The well shall be plugged with an office of the state engineer approved sealant for use in the plugging of non-artesian wells. The well driller shall cut the casing off at least four (4) feet below ground surface and fill the open hole with at least two vertical feet of approved sealant. The driller must fill or cover any open annulus with sealant. Once the sealant has cured, the well driller or well owner may cover the seal with soil. A Plugging Report for said well shall be filed with the Office of the State Engineer in a District Office within 30 days of completion of the plugging.

Trn Desc: C 04632 POD1

File Number: C 04632

Trn Number: 726269

**NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE**

SPECIFIC CONDITIONS OF APPROVAL (Continued)

- 17-7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- 17-B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.
- 17-C The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record.
The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.
- 17-C2 No water shall be diverted from this well except for testing purposes which shall not exceed ten (10) cumulative days, and well shall be plugged or capped on or before , unless a permit to use water from this well is acquired from the Office of the State Engineer.
- 17-G If artesian water is encountered, the well driller shall comply with all rules and regulations pertaining to the drilling and casing of artesian wells.
- 17-P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.

Trn Desc: C 04632 POD1

File Number: C 04632
Trn Number: 726269

**NEW MEXICO STATE ENGINEER OFFICE
PERMIT TO EXPLORE**

SPECIFIC CONDITIONS OF APPROVAL (Continued)

- 17-Q The State Engineer retains jurisdiction over this permit.
- 17-R Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.
- LOG The Point of Diversion C 04632 POD1 must be completed and the Well Log filed on or before 05/24/2023.

IT IS THE PERMITTEE'S RESPONSIBILITY TO OBTAIN ALL AUTHORIZATIONS AND PERMISSIONS TO DRILL ON PROPERTY OF OTHER OWNERSHIP BEFORE COMMENCING ACTIVITIES UNDER THIS PERMIT.

ACTION OF STATE ENGINEER

Notice of Intention Rcvd:	Date Rcvd. Corrected:
Formal Application Rcvd: 05/12/2022	Pub. of Notice Ordered:
Date Returned - Correction:	Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 24 day of May A.D., 2022

Mike A. Hamman, P.E., State Engineer

By: K. Parekh
KASHYAP PAREKH

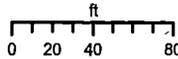
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Larry Brotman, Esri, HERE, Garmin, (c) OpenStreetMap contributors, U.S. Department of Energy Office of Legacy Management

NEW MEXICO OFFICE OF THE STATE ENGINEER

1:1,128



M. TELLES 5/24/2022



Reasonable efforts have been made by the New Mexico Office of the State Engineer (OSE) to verify that these maps accurately represent the source data used in their preparation; however, it is not intended in all maps, and these maps may contain omissions and errors in scale, resolution, projection, positional accuracy, development methodology, interpretation of source data, and other circumstances. These maps are distributed "as is" without warranty of any kind.

Spatial Information

County: Eddy
Groundwater Basin: Carlsbad
Abstract Area: Carlsbad 72-12-1
Carlsbad Underground Basin
Land Grant: Not in Land Grant
Restrictions: NA
PLSS Description: NWNWNE Qtr of Sec 10 of 025S 031E
Derived from CADNSDI- Qtr Sec. locations are calculated and are only approximations

Coordinates

UTM - NAD 83 (m) - Zone 13

Easting 616803.201

Northing 3557963.604

State Plane - NAD 83 (f) - Zone E

Easting 718339.168

Northing 419528.434

Degrees Minutes Seconds

Latitude 32 : 9 : 7.470000

Longitude -103 : 45 : 41.060000

Location pulled from Coordinate Search

Parcel Information

UPC/DocNum: 4184146264264

Parcel Owner: Bureau Of Land

Address: null null null

Legal: Quarter: Ne S: 10 T: 25S R: 31E Quarter: Nw S: 10 T: 25S R: 31E Quarter: Sw S: 10 T: 25S R: 31E Quarter: Se S: 10 T: 25S R: 31E All Map# 386-10 Loc Carlsbad Exempt

POD Information

Owner:
File Number:
POD Status: NoData
Permit Status: NoData
Permit Use: NoData
Purpose:

- Legend for map symbols including Calculated PLSS, Coord Search Location, OSE District Boundary, Bemalillo County Parcels 2021, Catron County Parcels 2021, Chaves County Parcels 2021, Cibola County Parcels 2021, Colfax County Parcels 2021, Curry County Parcels 2021, De Baca County Parcels 2021, Doña Ana County Parcels 2021, Eddy County Parcels 2021, Grant County Parcels 2021, Harding County Parcels 2021, Hidalgo County Parcels 2021, Guadalupe County Parcels 2021, Lea County Parcels 2021, Lincoln County Parcels 2021, Los Alamos County Parcels 2021, Luna County Parcels 2021, McKinley County Parcels 2021, Mora County Parcels 2021, Otero County Parcels 2021, Quay County Parcels 2021, Rio Arriba County Parcels 2021, Roosevelt County Parcels 2021, Sandoval County Parcels 2021, San Juan County Parcels 2021, San Miguel County Parcels 2021, Santa Fe County Parcels 2021, Sierra County Parcels 2021, Socorro County Parcels 2021, Taos County Parcels 2021, Torrance County Parcels 2021, Union County Parcels 2021, and Site Boundaries.

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 726269
File Nbr: C 04632

May. 26, 2022

DALE WOODALL
DEVON ENERGY
6488 7 RIVERS HWY
ARTESIA, NM 88210

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

- * If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.
- * If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.
- * The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.
- * This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us.

Sincerely,

Megen Telles
(575) 622-6521

Enclosure

explore



WELL PLUGGING PLAN OF OPERATIONS



NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging. This form may be used to plug a single well, or if you are plugging multiple monitoring wells on the same site using the same plugging methodology.

Alert! Your well may be eligible to participate in the Aquifer Mapping Program (AMP)-NM Bureau of Geology groinfo.nmt.edu/resources/water/egm/ if within an area of interest and meets the minimum construction requirements, such as there is still water in your well, and the well construction reflected in a well record and log is not compromised, contact AMP at 575-835-5038 or -6954, or by email nmbg-waterlevels@nmt.edu, prior to completing this prior form. Showing proof to the OSE that your well was accepted in this program, may delay the plugging of your well until a later date.

I. FILING FEE: There is no filing fee for this form.

II. GENERAL / WELL OWNERSHIP: Check here if proposing one plan for multiple monitoring wells on the same site and attaching WD-08m

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: C-4632- (POD-1)

Name of well owner: Devon Energy

Mailing address: 6488 7 Rivers Hwy County: Eddy

City: Artesia State: NM Zip code: 88210

Phone number: 575-748-1838 E-mail: Dale.Woodall@dvn.com

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: Jackie D. Atkins (Atkins Engineering Associates)

New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/2023

IV. WELL INFORMATION: Check here if this plan describes method for plugging multiple monitoring wells on the same site and attach supplemental form WD-08m and skip to #2 in this section.

Note: A copy of the existing Well Record for the well(s) to be plugged should be attached to this plan.

1) GPS Well Location: Latitude: 32 deg, 9 min, 7.47 sec
Longitude: 103 deg, 45 min, 41.06 sec, NAD 83

2) Reason(s) for plugging well(s):

Soil boring to determine groundwater level
OSE OIT MAY 12 2022 11:33

3) Was well used for any type of monitoring program? NO If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.

4) Does the well tap brackish, saline, or otherwise poor quality water? N/A If yes, provide additional detail, including analytical results and/or laboratory report(s):

5) Static water level: Unknown feet below land surface / feet above land surface (circle one)

6) Depth of the well: 55 feet

- 7) Inside diameter of innermost casing: 1" or 2" inches.
- 8) Casing material: Temporary PVC SCH 40
- 9) The well was constructed with:
 - an open-hole production interval, state the open interval: _____
 - a well screen or perforated pipe, state the screened interval(s): _____
- 10) What annular interval surrounding the artesian casing of this well is cement-grouted? N/A
- 11) Was the well built with surface casing? NO If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? _____ If yes, please describe:
- 12) Has all pumping equipment and associated piping been removed from the well? N/A If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.

V. DESCRIPTION OF PLANNED WELL PLUGGING: If plugging method differs between multiple wells on same site, a separate form must be completed for each method.

Note: If this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie pipe, a detailed diagram of the well showing proposed final plugged configuration shall be attached, as well as any additional technical information, such as geophysical logs, that are necessary to adequately describe the proposal. Attach a copy of any signed OSE variance to this plugging plan.

Also, if this planned plugging plan requires a variance to 19.27.4 NMAC, attach a detailed variance request signed by the applicant.

- 1) Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well:

The temporary 1" or 2" well material will be removed. Tremied from bottom to land Neat Cement in lifts
- 2) Will well head be cut-off below land surface after plugging? N/A

VI. PLUGGING AND SEALING MATERIALS:

Note: The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant. Attach a copy of the batch mix receipt from the cement company and/or product description for specialty cement mixes or any sealant that deviates from the list of OSE approved sealants.

- 1) For plugging intervals that employ cement grout, complete and attach Table A.
- 2) For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.
- 3) Theoretical volume of grout required to plug the well to land surface: 87
- 4) Type of Cement proposed: Type III Neat Cement
- 5) Proposed cement grout mix: <8.0 gallons of water per 94 pound sack of Portland cement.
- 6) Will the grout be: _____ batch-mixed and delivered to the site
 mixed on site

OSE 01 MAY 12 2022 PM 1:33

7) Grout additives requested, and percent by dry weight relative to cement:

N/A

8) Additional notes and calculations:

Site ID:20
Location Name:Cotton Draw Unit 134H

VII. ADDITIONAL INFORMATION: List additional information below, or on separate sheet(s):

The temporary well material will be removed. If no water is encountered then drill cuttings will be used to (10) ten feet of land surface and plugged using hydrated bentonite. If ground water is encountered the boring will be plugged tremie from bottom to a slurry of Portland TYPE III Neat cement in lifts. A 6.5" borehole will be plugged.

VIII. SIGNATURE:

I, Dale Woodall (Devon Energy), say that I have carefully read the foregoing Well Plugging Plan of Operations and any attachments, which are a part hereof; that I am familiar with the rules and regulations of the State Engineer pertaining to the plugging of wells and will comply with them, and that each and all of the statements in the Well Plugging Plan of Operations and attachments are true to the best of my knowledge and belief.

Dale Woodall

04/25/2022

Signature of Applicant

Date

IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

- Approved subject to the attached conditions.
- Not approved for the reasons provided on the attached letter.

OSE DIT MAY 12 2022 PM 1:34

Witness my hand and official seal this 17th day of May, 2022
Mike A. Hamman
John R. D'Antonio Jr. P.E., New Mexico State Engineer

By: K. Parikh
KASHYAP PAREKH
W.R.M. I



WD-08 Well Plugging Plan
Version July 31, 2015
Page 3 of 3

TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)	N/A	N/A	N/A
Bottom of proposed interval of grout placement (ft bgl)	N/A	N/A	55
Theoretical volume of grout required per interval (gallons)	N/A	N/A	87
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement	N/A	N/A	<6.0
Mixed on-site or batch-mixed and delivered?	N/A	N/A	On-Site
Grout additive 1 requested	N/A	N/A	N/A
Additive 1 percent by dry weight relative to cement	N/A	N/A	N/A
Grout additive 2 requested	N/A	N/A	N/A
Additive 2 percent by dry weight relative to cement	N/A	N/A	N/A

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TABLE B - For plugging intervals that will employ approved non-cement based sealant(s). Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)	N/A	N/A	0
Bottom of proposed sealant or grout placement (ft bgl)	N/A	N/A	10
Theoretical volume of sealant required per interval (gallons)	N/A	N/A	15
Proposed abandonment sealant (manufacturer and trade name)	N/A	N/A	Bariod Hole Plug

USE DIT MAY 12 2022 PM 1:34



STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
ROSWELL

Mike A. Hamman, P.E.
State Engineer

DISTRICT II
1900 West Second St.
Roswell, New Mexico 88201
Phone: (575) 622-6521
Fax: (575) 623-8559

May 17, 2022

Devon Energy
6488 7 Rivers Highway
Artesia, NM 88210

RE: Well Plugging Plan of Operations for **C-4632-POD1**

Greetings:

Enclosed is your copy of the Well Plugging Plan of Operations for the above referenced project. The proposed method of operation is found to be acceptable and in accordance with the Rules and Regulations Governing Well Driller Licensing; Construction, Repair and Plugging of Wells 19.27.4 NMAC adopted June 30, 2017 by the State Engineer.

- (1) Plugging operations shall also be conducted in accordance with NMED, NMOCD, or other State or Federal agencies having oversight for the above described project.
- (2) In accordance with Subsection A of 19.27.4.29 NMAC, on-site supervision of well drilling/plugging by the holder of a New Mexico Well Driller License or a NMOSE-registered Drill Rig Supervisor is required. The New Mexico licensed Well Driller shall ensure that well drilling activities are completed in accordance with 19.27.4.29, 19.27.4.30, 19.27.4.31, 19.27.4.33 NMAC, and all specific conditions of approval. While conducting the well drilling activities, the Well Driller shall maintain a copy of the approved permit, conditions and Well Plugging Plan of Operations on-site and available for inspection upon request.
- (3) Well that encounters water - Maximum 6 gallons water per 94 lb. sack Portland Cement
- (4) Dry hole – Drill cuttings used to ten feet of land surface. Hydrated bentonite – Fresh water to be added above water column at rate of 5 gallons per 50-lb sack/bucket.
- (5) Any deviation from this plan must obtain an approved variance from this office prior to implementation.

Well Plugging Plan of Operations form (WD-08) has been updated. Current form can be found on the OSE website at the following link <https://www.ose.state.nm.us/Statewide/wdForms.php>.

Within 30 days after the well is plugged, the well driller is required to file a complete plugging record with the OSE and the permit holder.

Sincerely,



Kashyap Parekh
Water Resources Manager I



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-4632
 Well owner: Devon Energy Phone No.: 575-748-1838
 Mailing address: 6488 7 Rivers Hwy
 City: Artesia State: New Mexico Zip code: 88210

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)
- 2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/23
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Shane Eldridge, Cameron Pruitt
- 4) Date well plugging began: 6/14/2022 Date well plugging concluded: 6/14/2022
- 5) GPS Well Location: Latitude: 32 deg, 9 min, 7.47 sec
Longitude: 103 deg, 45 min, 41.06 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl),
by the following manner: water level probe
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 5/26/2022
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

OSE 01 JUN 16 2022 7:12



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE PID 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 ZIP NM 88210		
	WELL LOCATION (FROM GPS)	DEGREES	MINUTES	SECONDS	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
		LATITUDE	103	45			7.47 N	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLS (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 FITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		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)
	FROM	TO						
	0	55	46.5	Boring HSA	-	--	-	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

COPY JUN 15 2022 PM 5:12

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	

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 726269
File Nbr: C 04632
Well File Nbr: C 04632 POD1

Jun. 24, 2022

DALE WOODALL
DEVON ENERGY
6488 7 RIVERS HWY
ARTESIA, NM 88210

Greetings:

The above numbered permit was issued in your name on 05/24/2022.

The Well Record was received in this office on 06/16/2022, stating that it had been completed on 06/08/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 05/24/2023.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in blue ink that reads "Azucena Ramirez".

Azucena Ramirez
(575) 622-6521

drywell

New Mexico Office of the State Engineer
Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(NAD83 UTM in meters)
Well Tag	POD Number	Q64 Q16 Q4 Sec Tws Rng				X Y
NA	C 04632 POD1	1 2 2 10 25S 31E				616802 3557964

x

Driller License: 1249	Driller Company: ATKINS ENGINEERING ASSOC. INC.	
Driller Name: JACKIE D ATKINS		
Drill Start Date: 06/08/2022	Drill Finish Date: 06/08/2022	Plug Date: 06/14/2022
Log File Date: 06/16/2022	PCW Rcv Date:	Source:
Pump Type:	Pipe Discharge Size:	Estimated Yield:
Casing Size:	Depth Well: 55 feet	Depth Water:

x

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.

8/31/22 1:05 PM

POINT OF DIVERSION SUMMARY



New Mexico Office of the State Engineer

Transaction Summary

EXPL Permit To Explore

Transaction Number: 726269 **Transaction Desc:** C 04632 POD1 **File Date:** 05/12/2022

Primary Status: PMT Permit
Secondary Status: APR Approved
Person Assigned: *****
Applicant: DEVON ENERGY
Contact: DALE WOODALL

x
Events

	Date	Type	Description	Comment	Processed By
	05/12/2022	APP	Application Received	*	*****
	05/12/2022	TEC	Technical Report	*PLG PLN OPS C-	*****
	05/26/2022	FTN	Finalize non-published Trans.		*****
	06/16/2022	QAT	Quality Assurance Completed	SQ2	*****
	06/16/2022	LOG	Well Log Received	*	*****
	06/16/2022	LGI	Well Log Image	*PLG RECORD C-	*****
	06/23/2022	QAT	Quality Assurance Completed	IMAGE/WELL	*****
	06/23/2022	QAT	Quality Assurance Completed	IMAGE/PLUGGING	*****
	06/24/2022	DRY	Dry well log received		*****
	08/01/2022	QAT	Quality Assurance Completed	IMAGE/LOG	*****
	08/01/2022	QAT	Quality Assurance Completed	IMAGE/LGI	*****

x
Water Right Information

WR File Nbr	Acres	Diversion	Consumptive	Purpose of Use
C 04632	0	0		EXP EXPLORATION
**Point of Diversion				
C 04632 POD1		616802	3557964	

x
Remarks

"SOIL BORING TO DETEREMINE DEPTH UP TO 55 FEET. TEMPORARY PVC WELL MATERIAL WILL BE PLACED TO TOTAL DEPTH AND SECURED AT SURFACE. TEMPORARY WELL WILL BE IN PLACE FOR MINIMUM OF 72 HOURS. IF GROUND WATER IS ENCOUNTERED THE BORING WILL BE"

"PLUGGED IMMEDIATELY USING AUGERS AS TREMIE TO LAND A SLURRY OF PORTLAND TYPE I/II NEAT CEMENT LESS THAN 6.0 GALLONS OF WATER PER 94 LB. SACK. IF NOT WATER IS ENCOUNTERED THEN DRILL CUTTINGS WILL BE USED TO (10) TEN FEET OF LAND SURFACE AND"

"PLUGGED USING HYDRATED BENTONITE."

x

Conditions

- 1A Depth of the well shall not exceed the thickness of the valley fill.
- 4 No water shall be appropriated and beneficially used under this permit.
- B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.
- C The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record. The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.
- C2 No water shall be diverted from this well except for testing purposes which shall not exceed ten (10) cumulative days, and well shall be plugged or capped on or before , unless a permit to use water from this well is acquired from the Office of the State Engineer.
- 6 The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable
- 7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- 16 Construction of a water well by anyone without a valid New Mexico Well Driller License is illegal, and the landowner shall bear the cost of plugging the well by a licensed New Mexico well driller. This does not apply to driven wells, the casing of which does not exceed two and three-eighths inches outside diameter.
- P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.
- G If artesian water is encountered, the well driller shall comply with all rules and regulations pertaining to the drilling and casing of artesian wells.
- Q The State Engineer retains jurisdiction over this permit.
- R Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.

x

Action of the State Engineer

IT IS THE PERMITTEE S RESPONSIBILITY TO OBTAIN ALL AUTHORIZATIONS AND PERMISSIONS TO DRILL ON PROPERTY OF OTHER OWNERSHIP BEFORE COMMENCING ACTIVITIES UNDER THIS PERMIT.

**** See Image For Any Additional Conditions of Approval ****

Approval Code: A - Approved

Action Date: 05/24/2022

Log Due Date: 05/24/2023

State Engineer: Mike A. Hamman, P.

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.

8/31/22 12:48 PM

TRANSACTION
SUMMARY

Legend

- High
- Low
- Medium

6-2-19 Release Containment 36' x 6' outside 1-21-18 inside containment overspray

Devon CDU 10 Fed Com 2H

NO C-141 Release 5/27/18

No C-141

Proposed Borehole to confirm depth to water > 50'

Release on 10/10/18

Unknown Release

853 ft

National Flood Hazard Layer FIRMMette



103°45'51"W 32°9'20"N



Legend

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

- | | | |
|------------------------------------|--|--|
| SPECIAL FLOOD HAZARD AREAS | | Without Base Flood Elevation (BFE)
<i>Zone A, V, A99</i> |
| | | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i> |
| | | 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 <i>Zone X</i> |
| | | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i> |
| | | Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i> |
| | | Area with Flood Risk due to Levee <i>Zone D</i> |
| OTHER AREAS | | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i> |
| | | Effective LOMRs |
| GENERAL STRUCTURES | | Area of Undetermined Flood Hazard <i>Zone D</i> |
| | | Channel, Culvert, or Storm Sewer |
| | | Levee, Dike, or Floodwall |
| OTHER FEATURES | | 20.2 Cross Sections with 1% Annual Chance |
| | | 17.5 Water Surface Elevation |
| | | Coastal Transect |
| | | Base Flood Elevation Line (BFE) |
| | | Limit of Study |
| | | Jurisdiction Boundary |
| MAP PANELS | | Coastal Transect Baseline |
| | | Profile Baseline |
| | | Hydrographic Feature |
| | | 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.



0 250 500 1,000 1,500 2,000 Feet 1:6,000

103°45'14"W 32°8'49"N

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 9/6/2022 at 7:46 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, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



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

February 14, 2020

Bob Allen
Safety & Environmental Solutions
703 East Clinton
Hobbs, NM 88240

RE: COTTON DRAW #10

Enclosed are the results of analyses for samples received by the laboratory on 02/12/20 10:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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".

Celey D. Keene
Lab Director/Quality Manager



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

Analytical Results For:

Safety & Environmental Solutions
 Bob Allen
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received:	02/12/2020	Sampling Date:	02/11/2020
Reported:	02/14/2020	Sampling Type:	Soil
Project Name:	COTTON DRAW #10	Sampling Condition:	Cool & Intact
Project Number:	DEV - 20 - 008	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 1 SURFACE (H000417-01)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2020	ND	1.92	96.2	2.00	10.9	
Toluene*	<0.050	0.050	02/12/2020	ND	1.96	98.0	2.00	11.3	
Ethylbenzene*	<0.050	0.050	02/12/2020	ND	2.00	100	2.00	11.2	
Total Xylenes*	<0.150	0.150	02/12/2020	ND	5.84	97.3	6.00	11.4	GC-NC
Total BTEX	<0.300	0.300	02/12/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 133 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10400	16.0	02/13/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	75.9	50.0	02/13/2020	ND	222	111	200	4.06	
DRO >C10-C28*	12100	50.0	02/13/2020	ND	224	112	200	3.96	QM-07
EXT DRO >C28-C36	2360	50.0	02/13/2020	ND					

Surrogate: 1-Chlorooctane 124 % 41-142

Surrogate: 1-Chlorooctadecane 401 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Safety & Environmental Solutions
 Bob Allen
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received:	02/12/2020	Sampling Date:	02/11/2020
Reported:	02/14/2020	Sampling Type:	Soil
Project Name:	COTTON DRAW #10	Sampling Condition:	Cool & Intact
Project Number:	DEV - 20 - 008	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 1 1' (H000417-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2020	ND	1.92	96.2	2.00	10.9	
Toluene*	<0.050	0.050	02/12/2020	ND	1.96	98.0	2.00	11.3	
Ethylbenzene*	<0.050	0.050	02/12/2020	ND	2.00	100	2.00	11.2	
Total Xylenes*	<0.150	0.150	02/12/2020	ND	5.84	97.3	6.00	11.4	
Total BTEX	<0.300	0.300	02/12/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	02/13/2020	ND	432	108	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	02/12/2020	ND	222	111	200	4.06	
DRO >C10-C28*	17.4	10.0	02/12/2020	ND	224	112	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	02/12/2020	ND					

Surrogate: 1-Chlorooctane 93.1 % 41-142

Surrogate: 1-Chlorooctadecane 97.2 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Safety & Environmental Solutions
 Bob Allen
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received:	02/12/2020	Sampling Date:	02/11/2020
Reported:	02/14/2020	Sampling Type:	Soil
Project Name:	COTTON DRAW #10	Sampling Condition:	Cool & Intact
Project Number:	DEV - 20 - 008	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 1 2' (H000417-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2020	ND	1.92	96.2	2.00	10.9	
Toluene*	<0.050	0.050	02/12/2020	ND	1.96	98.0	2.00	11.3	
Ethylbenzene*	<0.050	0.050	02/12/2020	ND	2.00	100	2.00	11.2	
Total Xylenes*	<0.150	0.150	02/12/2020	ND	5.84	97.3	6.00	11.4	
Total BTEX	<0.300	0.300	02/12/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	02/13/2020	ND	432	108	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	02/12/2020	ND	222	111	200	4.06	
DRO >C10-C28*	<10.0	10.0	02/12/2020	ND	224	112	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	02/12/2020	ND					

Surrogate: 1-Chlorooctane 94.7 % 41-142

Surrogate: 1-Chlorooctadecane 97.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Safety & Environmental Solutions
 Bob Allen
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received:	02/12/2020	Sampling Date:	02/11/2020
Reported:	02/14/2020	Sampling Type:	Soil
Project Name:	COTTON DRAW #10	Sampling Condition:	Cool & Intact
Project Number:	DEV - 20 - 008	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 2 SURFACE (H000417-04)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2020	ND	1.92	96.2	2.00	10.9	
Toluene*	<0.050	0.050	02/12/2020	ND	1.96	98.0	2.00	11.3	
Ethylbenzene*	0.236	0.050	02/12/2020	ND	2.00	100	2.00	11.2	
Total Xylenes*	<0.150	0.150	02/12/2020	ND	5.84	97.3	6.00	11.4	
Total BTEX	<0.300	0.300	02/12/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 139 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7460	16.0	02/13/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.2	10.0	02/13/2020	ND	222	111	200	4.06	
DRO >C10-C28*	5120	10.0	02/13/2020	ND	224	112	200	3.96	
EXT DRO >C28-C36	1290	10.0	02/13/2020	ND					

Surrogate: 1-Chlorooctane 93.4 % 41-142

Surrogate: 1-Chlorooctadecane 264 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Safety & Environmental Solutions
 Bob Allen
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received:	02/12/2020	Sampling Date:	02/11/2020
Reported:	02/14/2020	Sampling Type:	Soil
Project Name:	COTTON DRAW #10	Sampling Condition:	Cool & Intact
Project Number:	DEV - 20 - 008	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 2 1' (H000417-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2020	ND	1.92	96.2	2.00	10.9	
Toluene*	<0.050	0.050	02/12/2020	ND	1.96	98.0	2.00	11.3	
Ethylbenzene*	<0.050	0.050	02/12/2020	ND	2.00	100	2.00	11.2	
Total Xylenes*	<0.150	0.150	02/12/2020	ND	5.84	97.3	6.00	11.4	
Total BTEX	<0.300	0.300	02/12/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	02/13/2020	ND	432	108	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	02/12/2020	ND	222	111	200	4.06	
DRO >C10-C28*	19.7	10.0	02/12/2020	ND	224	112	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	02/12/2020	ND					

Surrogate: 1-Chlorooctane 93.3 % 41-142

Surrogate: 1-Chlorooctadecane 96.3 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Safety & Environmental Solutions
 Bob Allen
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received:	02/12/2020	Sampling Date:	02/11/2020
Reported:	02/14/2020	Sampling Type:	Soil
Project Name:	COTTON DRAW #10	Sampling Condition:	Cool & Intact
Project Number:	DEV - 20 - 008	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 2 2' (H000417-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2020	ND	1.92	96.2	2.00	10.9	
Toluene*	<0.050	0.050	02/12/2020	ND	1.96	98.0	2.00	11.3	
Ethylbenzene*	<0.050	0.050	02/12/2020	ND	2.00	100	2.00	11.2	
Total Xylenes*	<0.150	0.150	02/12/2020	ND	5.84	97.3	6.00	11.4	
Total BTEX	<0.300	0.300	02/12/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	02/13/2020	ND	432	108	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	02/12/2020	ND	222	111	200	4.06	
DRO >C10-C28*	<10.0	10.0	02/12/2020	ND	224	112	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	02/12/2020	ND					

Surrogate: 1-Chlorooctane 88.8 % 41-142

Surrogate: 1-Chlorooctadecane 90.1 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Safety & Environmental Solutions
 Bob Allen
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received:	02/12/2020	Sampling Date:	02/11/2020
Reported:	02/14/2020	Sampling Type:	Soil
Project Name:	COTTON DRAW #10	Sampling Condition:	Cool & Intact
Project Number:	DEV - 20 - 008	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 3 SURFACE (H000417-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2020	ND	1.92	96.2	2.00	10.9	
Toluene*	<0.050	0.050	02/12/2020	ND	1.96	98.0	2.00	11.3	
Ethylbenzene*	<0.050	0.050	02/12/2020	ND	2.00	100	2.00	11.2	
Total Xylenes*	<0.150	0.150	02/12/2020	ND	5.84	97.3	6.00	11.4	
Total BTEX	<0.300	0.300	02/12/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5520	16.0	02/13/2020	ND	432	108	400	0.00	QM-07

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/13/2020	ND	222	111	200	4.06		
DRO >C10-C28*	7330	10.0	02/13/2020	ND	224	112	200	3.96		
EXT DRO >C28-C36	1180	10.0	02/13/2020	ND						

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 299 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Safety & Environmental Solutions
 Bob Allen
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received:	02/12/2020	Sampling Date:	02/11/2020
Reported:	02/14/2020	Sampling Type:	Soil
Project Name:	COTTON DRAW #10	Sampling Condition:	Cool & Intact
Project Number:	DEV - 20 - 008	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 3 1' (H000417-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2020	ND	1.92	96.2	2.00	10.9	
Toluene*	<0.050	0.050	02/12/2020	ND	1.96	98.0	2.00	11.3	
Ethylbenzene*	<0.050	0.050	02/12/2020	ND	2.00	100	2.00	11.2	
Total Xylenes*	<0.150	0.150	02/12/2020	ND	5.84	97.3	6.00	11.4	
Total BTEX	<0.300	0.300	02/12/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	02/13/2020	ND	432	108	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	02/12/2020	ND	222	111	200	4.06	
DRO >C10-C28*	<10.0	10.0	02/12/2020	ND	224	112	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	02/12/2020	ND					

Surrogate: 1-Chlorooctane 78.7 % 41-142

Surrogate: 1-Chlorooctadecane 87.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received:	02/12/2020	Sampling Date:	02/11/2020
Reported:	02/14/2020	Sampling Type:	Soil
Project Name:	COTTON DRAW #10	Sampling Condition:	Cool & Intact
Project Number:	DEV - 20 - 008	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 3 2' (H000417-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2020	ND	1.92	96.2	2.00	10.9	
Toluene*	<0.050	0.050	02/12/2020	ND	1.96	98.0	2.00	11.3	
Ethylbenzene*	<0.050	0.050	02/12/2020	ND	2.00	100	2.00	11.2	
Total Xylenes*	<0.150	0.150	02/12/2020	ND	5.84	97.3	6.00	11.4	
Total BTEX	<0.300	0.300	02/12/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/13/2020	ND	432	108	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	02/13/2020	ND	222	111	200	4.06	
DRO >C10-C28*	<10.0	10.0	02/13/2020	ND	224	112	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	02/13/2020	ND					

Surrogate: 1-Chlorooctane 89.4 % 41-142

Surrogate: 1-Chlorooctadecane 91.4 % 37.6-147

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:

Safety & Environmental Solutions
 Bob Allen
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received:	02/12/2020	Sampling Date:	02/11/2020
Reported:	02/14/2020	Sampling Type:	Soil
Project Name:	COTTON DRAW #10	Sampling Condition:	Cool & Intact
Project Number:	DEV - 20 - 008	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 4 SURFACE (H000417-10)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2020	ND	1.92	96.2	2.00	10.9	
Toluene*	<0.050	0.050	02/12/2020	ND	1.96	98.0	2.00	11.3	
Ethylbenzene*	0.380	0.050	02/12/2020	ND	2.00	100	2.00	11.2	
Total Xylenes*	<0.150	0.150	02/12/2020	ND	5.84	97.3	6.00	11.4	GC-NC
Total BTEX	0.380	0.300	02/12/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 161 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	02/13/2020	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	16.5	10.0	02/13/2020	ND	222	111	200	4.06	
DRO >C10-C28*	4020	10.0	02/13/2020	ND	224	112	200	3.96	
EXT DRO >C28-C36	811	10.0	02/13/2020	ND					

Surrogate: 1-Chlorooctane 98.0 % 41-142

Surrogate: 1-Chlorooctadecane 211 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Safety & Environmental Solutions
 Bob Allen
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received:	02/12/2020	Sampling Date:	02/11/2020
Reported:	02/14/2020	Sampling Type:	Soil
Project Name:	COTTON DRAW #10	Sampling Condition:	Cool & Intact
Project Number:	DEV - 20 - 008	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 4 1' (H000417-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/12/2020	ND	1.92	96.2	2.00	10.9	
Toluene*	<0.050	0.050	02/12/2020	ND	1.96	98.0	2.00	11.3	
Ethylbenzene*	<0.050	0.050	02/12/2020	ND	2.00	100	2.00	11.2	
Total Xylenes*	<0.150	0.150	02/12/2020	ND	5.84	97.3	6.00	11.4	
Total BTEX	<0.300	0.300	02/12/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	02/13/2020	ND	432	108	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	02/13/2020	ND	222	111	200	4.06	
DRO >C10-C28*	35.1	10.0	02/13/2020	ND	224	112	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	02/13/2020	ND					

Surrogate: 1-Chlorooctane 92.4 % 41-142

Surrogate: 1-Chlorooctadecane 95.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Safety & Environmental Solutions
 Bob Allen
 703 East Clinton
 Hobbs NM, 88240
 Fax To: (575) 393-4388

Received:	02/12/2020	Sampling Date:	02/11/2020
Reported:	02/14/2020	Sampling Type:	Soil
Project Name:	COTTON DRAW #10	Sampling Condition:	Cool & Intact
Project Number:	DEV - 20 - 008	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: AH - 4 2' (H000417-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/13/2020	ND	1.92	96.2	2.00	10.9	
Toluene*	<0.050	0.050	02/13/2020	ND	1.96	98.0	2.00	11.3	
Ethylbenzene*	<0.050	0.050	02/13/2020	ND	2.00	100	2.00	11.2	
Total Xylenes*	<0.150	0.150	02/13/2020	ND	5.84	97.3	6.00	11.4	
Total BTEX	<0.300	0.300	02/13/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/13/2020	ND	432	108	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*	12.8	10.0	02/13/2020	ND	222	111	200	4.06	
DRO >C10-C28*	<10.0	10.0	02/13/2020	ND	224	112	200	3.96	
EXT DRO >C28-C36	<10.0	10.0	02/13/2020	ND					

Surrogate: 1-Chlorooctane 89.5 % 41-142

Surrogate: 1-Chlorooctadecane 91.4 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2478

Company Name: Safety and Environmental Solutions

Project Manager: Bob Allen

Address: 703 East Clinton, PO Box 1813

City: Hobbs State: NM Zip: 88240

Phone #: 575 397-0510 Fax #: 575 393-4388

Project #: 021-20-008 Project Owner: Carson Brown CO

Project Name: Carson Brown CO

Project Location: Hobbs, NM

Sampler Name: Carson Brown

FOR LAB USE ONLY

Lab I.D. H000417

Sample I.D. 02111

Lab I.D.	Sample I.D.	MATRIX	PRESERV	SAMPLING
1	02111	GROUNDWATER		
2	02111	GROUNDWATER		
3	02111	GROUNDWATER		
4	02111	GROUNDWATER		
5	02111	GROUNDWATER		
6	02111	GROUNDWATER		
7	02111	GROUNDWATER		
8	02111	GROUNDWATER		
9	02111	GROUNDWATER		

PLEASE NOTE: Lab ID's are for tracking and identification purposes only. They do not indicate the location of the sample. The location of the sample is indicated by the date and time of collection. The date and time of collection must be recorded on the chain of custody form. The date and time of collection must be recorded on the chain of custody form. The date and time of collection must be recorded on the chain of custody form.

Delivered By: (Circle One) Sample Condition Cool Intact No Yes

Received By: *Carson Brown* Date: *11/16/22* Time: *10:30*

Refrigerated By: *[Signature]* Date: *11/16/22* Time: *10:30*

Checked By: *[Signature]* Date: *11/16/22* Time: *10:30*

Remarks: *[Blank]*

Phone Results: Yes No Add'l Phone #:

Fax Results: Yes No Add'l Fax #:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Safety and Environmental Solutions

Project Manager: Bob Allen

Address: 703 East Clinton, PO Box 1613

City: Hobbs State: NM Zip: 88240

Phone #: 575 397-0510 Fax #: 575 393-4388

Project #: 20-008 Project Owner: Central Power Co

Project Name: Central Power Co

Project Location: Hobbs, NM

Sampler Name: Bob Allen

FOR LAB USE ONLY

Lab I.D. H000417

Sample I.D. 10, 11, 12

MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER

ACID/BASE: ICE/COOL, OTHER

DATE: 02/11/2025

TIME: 11:15

PREP: KKK

ANALYSIS: KKK

LAB: KKK

CLIENT: Alhambra

PROJECT: 7PH (SOI&XT)

ADDRESS: 703 East Clinton, PO Box 1613

CITY: Hobbs

STATE: NM

ZIP: 88240

PHONE: 575 397-0510

FAX: 575 393-4388

PROJECT: 20-008

PROJECT OWNER: Central Power Co

PROJECT NAME: Central Power Co

PROJECT LOCATION: Hobbs, NM

SAMPLER NAME: Bob Allen

FOR LAB USE ONLY

Lab I.D. H000417

Sample I.D. 10, 11, 12

MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER

ACID/BASE: ICE/COOL, OTHER

DATE: 02/11/2025

TIME: 11:15

PREP: KKK

ANALYSIS: KKK

LAB: KKK

CLIENT: Alhambra

PROJECT: 7PH (SOI&XT)

ADDRESS: 703 East Clinton, PO Box 1613

CITY: Hobbs

STATE: NM

ZIP: 88240

PHONE: 575 397-0510

FAX: 575 393-4388

PROJECT: 20-008

PROJECT OWNER: Central Power Co

PROJECT NAME: Central Power Co

PROJECT LOCATION: Hobbs, NM

SAMPLER NAME: Bob Allen

FOR LAB USE ONLY

Lab I.D. H000417

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PROJECT: 20-008

PROJECT OWNER: Central Power Co

PROJECT NAME: Central Power Co

PROJECT LOCATION: Hobbs, NM

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FOR LAB USE ONLY

Lab I.D. H000417

Sample I.D. 10, 11, 12

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DATE: 02/11/2025

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CLIENT: Alhambra

PROJECT: 7PH (SOI&XT)

ADDRESS: 703 East Clinton, PO Box 1613

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Lab I.D. H000417

Sample I.D. 10, 11, 12

MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER

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PROJECT OWNER: Central Power Co

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PROJECT LOCATION: Hobbs, NM

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Sample I.D. 10, 11, 12

MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER

ACID/BASE: ICE/COOL, OTHER

DATE: 02/11/2025

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MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER

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PROJECT: 20-008

PROJECT OWNER: Central Power Co

PROJECT NAME: Central Power Co

PROJECT LOCATION: Hobbs, NM

SAMPLER NAME: Bob Allen

FOR LAB USE ONLY

Lab I.D. H000417

Sample I.D. 10, 11, 12

MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER

ACID/BASE: ICE/COOL, OTHER

DATE: 02/11/2025

TIME: 11:15

PREP: KKK

ANALYSIS: KKK

LAB: KKK

CLIENT: Alhambra

PROJECT: 7PH (SOI&XT)

ADDRESS: 703 East Clinton, PO Box 1613

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STATE: NM

ZIP: 88240

PHONE: 575 397-0510

FAX: 575 393-4388

PROJECT: 20-008

PROJECT OWNER: Central Power Co

PROJECT NAME: Central Power Co

PROJECT LOCATION: Hobbs, NM

SAMPLER NAME: Bob Allen

FOR LAB USE ONLY

Lab I.D. H000417

Sample I.D. 10, 11, 12

MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER

ACID/BASE: ICE/COOL, OTHER

DATE: 02/11/2025

TIME: 11:15

PREP: KKK

ANAL



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

April 07, 2020

Bob Allen
Safety & Environmental Solutions
PO Box 1613
Hobbs, NM 88241
TEL: (575) 397-0510
FAX (575) 393-4388

RE: Cotton Draw 10 Fed Com 2H Devon WO 20713717

OrderNo.: 2004067

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 4/2/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2004067**

Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-1 1ft

Project: Cotton Draw 10 Fed Com 2H Devon WO

Collection Date: 3/30/2020 9:50:00 AM

Lab ID: 2004067-001

Matrix: SOIL

Received Date: 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	580	60		mg/Kg	20	4/5/2020 9:42:44 PM	51572
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/5/2020 6:31:49 PM	51530
Surr: BFB	99.0	70-130		%Rec	1	4/5/2020 6:31:49 PM	51530
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/5/2020 4:49:08 PM	51541
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/5/2020 4:49:08 PM	51541
Surr: DNOP	94.8	55.1-146		%Rec	1	4/5/2020 4:49:08 PM	51541
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.025		mg/Kg	1	4/5/2020 6:31:49 PM	51530
Toluene	ND	0.050		mg/Kg	1	4/5/2020 6:31:49 PM	51530
Ethylbenzene	ND	0.050		mg/Kg	1	4/5/2020 6:31:49 PM	51530
Xylenes, Total	ND	0.10		mg/Kg	1	4/5/2020 6:31:49 PM	51530
Surr: 1,2-Dichloroethane-d4	91.5	70-130		%Rec	1	4/5/2020 6:31:49 PM	51530
Surr: 4-Bromofluorobenzene	97.0	70-130		%Rec	1	4/5/2020 6:31:49 PM	51530
Surr: Dibromofluoromethane	92.7	70-130		%Rec	1	4/5/2020 6:31:49 PM	51530
Surr: Toluene-d8	99.6	70-130		%Rec	1	4/5/2020 6:31:49 PM	51530

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 **2004067**

Date Reported: **4/7/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: SP-2 1ft

Project: Cotton Draw 10 Fed Com 2H Devon WO

Collection Date: 3/30/2020 10:15:00 AM

Lab ID: 2004067-002

Matrix: SOIL

Received Date: 4/2/2020 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	590	60		mg/Kg	20	4/5/2020 9:55:08 PM	51572
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/5/2020 7:01:13 PM	51530
Surr: BFB	94.0	70-130		%Rec	1	4/5/2020 7:01:13 PM	51530
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/5/2020 5:13:37 PM	51541
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/5/2020 5:13:37 PM	51541
Surr: DNOP	93.6	55.1-146		%Rec	1	4/5/2020 5:13:37 PM	51541
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: DJF
Benzene	ND	0.024		mg/Kg	1	4/5/2020 7:01:13 PM	51530
Toluene	ND	0.048		mg/Kg	1	4/5/2020 7:01:13 PM	51530
Ethylbenzene	ND	0.048		mg/Kg	1	4/5/2020 7:01:13 PM	51530
Xylenes, Total	ND	0.096		mg/Kg	1	4/5/2020 7:01:13 PM	51530
Surr: 1,2-Dichloroethane-d4	91.5	70-130		%Rec	1	4/5/2020 7:01:13 PM	51530
Surr: 4-Bromofluorobenzene	93.4	70-130		%Rec	1	4/5/2020 7:01:13 PM	51530
Surr: Dibromofluoromethane	95.8	70-130		%Rec	1	4/5/2020 7:01:13 PM	51530
Surr: Toluene-d8	95.0	70-130		%Rec	1	4/5/2020 7:01:13 PM	51530

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#: 2004067

07-Apr-20

Client: Safety & Environmental Solutions
Project: Cotton Draw 10 Fed Com 2H Devon WO 20713

Sample ID: MB-51572	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 51572	RunNo: 67876								
Prep Date: 4/5/2020	Analysis Date: 4/5/2020	SeqNo: 2344946	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-51572	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 51572	RunNo: 67876								
Prep Date: 4/5/2020	Analysis Date: 4/5/2020	SeqNo: 2344947	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.7	90	110			

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#: 2004067

07-Apr-20

Client: Safety & Environmental Solutions
Project: Cotton Draw 10 Fed Com 2H Devon WO 20713

Sample ID: MB-51541	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 51541	RunNo: 67859								
Prep Date: 4/3/2020	Analysis Date: 4/5/2020	SeqNo: 2344068	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	9.0		10.00		89.6	55.1	146			

Sample ID: LCS-51541	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 51541	RunNo: 67859								
Prep Date: 4/3/2020	Analysis Date: 4/5/2020	SeqNo: 2344069	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.3	70	130			
Surr: DNOP	4.3		5.000		85.8	55.1	146			

Sample ID: MB-51554	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 51554	RunNo: 67859								
Prep Date: 4/4/2020	Analysis Date: 4/6/2020	SeqNo: 2345130	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		100	55.1	146			

Sample ID: LCS-51554	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 51554	RunNo: 67859								
Prep Date: 4/4/2020	Analysis Date: 4/6/2020	SeqNo: 2345131	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4		5.000		87.3	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2004067

07-Apr-20

Client: Safety & Environmental Solutions
Project: Cotton Draw 10 Fed Com 2H Devon WO 20713

Sample ID: mb-51530	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 51530	RunNo: 67853								
Prep Date: 4/2/2020	Analysis Date: 4/5/2020	SeqNo: 2343895	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.43		0.5000		85.8	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		97.4	70	130			
Surr: Dibromofluoromethane	0.45		0.5000		89.1	70	130			
Surr: Toluene-d8	0.49		0.5000		97.3	70	130			

Sample ID: ics-51530	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 51530	RunNo: 67853								
Prep Date: 4/2/2020	Analysis Date: 4/5/2020	SeqNo: 2343896	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	86.5	80	120			
Toluene	1.1	0.050	1.000	0	105	80	120			
Ethylbenzene	1.1	0.050	1.000	0	106	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.1	70	130			
Surr: Toluene-d8	0.50		0.5000		99.2	70	130			

Sample ID: mb-51487	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 51487	RunNo: 67881								
Prep Date: 4/1/2020	Analysis Date: 4/5/2020	SeqNo: 2345162	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.45		0.5000		90.5	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		94.0	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		94.2	70	130			
Surr: Toluene-d8	0.49		0.5000		98.8	70	130			

Sample ID: ics-51487	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 51487	RunNo: 67881								
Prep Date: 4/1/2020	Analysis Date: 4/5/2020	SeqNo: 2345164	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.48		0.5000		97.0	70	130			
Surr: Toluene-d8	0.50		0.5000		100	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2004067

07-Apr-20

Client: Safety & Environmental Solutions
Project: Cotton Draw 10 Fed Com 2H Devon WO 20713

Sample ID: mb-51530	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 51530	RunNo: 67853								
Prep Date: 4/2/2020	Analysis Date: 4/5/2020	SeqNo: 2343932	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	490		500.0		97.5	70	130			

Sample ID: ics-51530	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 51530	RunNo: 67853								
Prep Date: 4/2/2020	Analysis Date: 4/5/2020	SeqNo: 2343933	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.5	70	130			
Surr: BFB	500		500.0		101	70	130			

Sample ID: mb-51487	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 51487	RunNo: 67881								
Prep Date: 4/1/2020	Analysis Date: 4/5/2020	SeqNo: 2345213	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	490		500.0		98.6	70	130			

Sample ID: ics-51487	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 51487	RunNo: 67881								
Prep Date: 4/1/2020	Analysis Date: 4/5/2020	SeqNo: 2345214	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	500		500.0		99.3	70	130			

Qualifiers:

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



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

Sample Log-In Check List

Client Name: Safety Env Solutions Work Order Number: 2004057 RptNo: 1

Received By: Isaiah Ortiz 4/2/2020 8:30:00 AM

Completed By: John Caldwell 4/2/2020 8:48:00 AM

Reviewed By: *IO* *4/7/20*

IO
John Caldwell

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

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: *DAD 4/7/20*

Special Handling (if applicable)

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

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

16. Additional remarks

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good				
2	1.2	Good				

Chain-of-Custody Record

Client: Safety & Environmental Solutions

Mailing Address: 707 E. CLINTON
Hobbs N.M. 88240

Phone #: 575-397-0510

email or Fax#: _____

QA/QC Package: Standard Level 4 (Full Validation)

Accreditation: Az Compliance NELAC Other

EDD (Type) _____

Turn-Around Time: 5 days Turn

Standard Rush

Project Name: DEVON
Cotton Draw 10-Feel Can Zn

WSP 20713717

Project #: Dev-20-008

Project Manager: Allen, Bob

Sampler: Sari Jerry

On Ice: Yes No

of Coolers: 1 16-01K(14°C)

Cooler Temperature: CFI: 14-01K(17°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
03/30	0950	S	SP-1 1ft	1	Jerry	2004067-001
03/30	1015	S	SP-2 1ft	1	Bob	-002

Date/Time: 03/30 1600

Date/Time: 03/30 1900

Retrieved by: Sari Jerry

Retrieved by: Sari Jerry



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

BTEX / MTBE / TMBs (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCBs	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO ₂ , NO ₃ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								<input checked="" type="checkbox"/>

Received by: [Signature] Date: 11/20/2022 Time: 1600

Received by: [Signature] Date: 4/2/20 Time: 0830

Remarks: E-mail data to Bob, Sergio, Kathy, Jerry

Bill Paxon



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

August 20, 2020

Bob Allen
Safety & Environmental Solutions
PO Box 1613
Hobbs, NM 88241
TEL: (575) 397-0510
FAX: (575) 393-4388

RE: Devon Cotton Draw 10 Fed Com 2H 2RP-5378

OrderNo.: 2008699

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 8 sample(s) on 8/13/2020 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 thin horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2008699**

Date Reported: **8/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-3 2.5ft

Project: Devon Cotton Draw 10 Fed Com 2H 2RP

Collection Date: 8/11/2020 9:35:00 AM

Lab ID: 2008699-001

Matrix: SOIL

Received Date: 8/13/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	170	59		mg/Kg	20	8/18/2020 3:02:18 PM	54499
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	8/17/2020 2:50:32 PM	54431
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/17/2020 2:50:32 PM	54431
Surr: DNOP	103	30.4-154		%Rec	1	8/17/2020 2:50:32 PM	54431
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/15/2020 9:15:30 PM	54430
Surr: BFB	99.4	75.3-105		%Rec	1	8/15/2020 9:15:30 PM	54430
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	8/15/2020 9:15:30 PM	54430
Toluene	ND	0.049		mg/Kg	1	8/15/2020 9:15:30 PM	54430
Ethylbenzene	ND	0.049		mg/Kg	1	8/15/2020 9:15:30 PM	54430
Xylenes, Total	ND	0.099		mg/Kg	1	8/15/2020 9:15:30 PM	54430
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	8/15/2020 9:15:30 PM	54430

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 **2008699**

Date Reported: **8/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-4 3ft

Project: Devon Cotton Draw 10 Fed Com 2H 2RP

Collection Date: 8/11/2020 10:10:00 AM

Lab ID: 2008699-002

Matrix: SOIL

Received Date: 8/13/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	180	60		mg/Kg	20	8/18/2020 3:14:42 PM	54499
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	8/17/2020 3:14:28 PM	54431
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	8/17/2020 3:14:28 PM	54431
Surr: DNOP	108	30.4-154		%Rec	1	8/17/2020 3:14:28 PM	54431
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/15/2020 9:38:53 PM	54430
Surr: BFB	98.8	75.3-105		%Rec	1	8/15/2020 9:38:53 PM	54430
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	8/15/2020 9:38:53 PM	54430
Toluene	ND	0.048		mg/Kg	1	8/15/2020 9:38:53 PM	54430
Ethylbenzene	ND	0.048		mg/Kg	1	8/15/2020 9:38:53 PM	54430
Xylenes, Total	ND	0.097		mg/Kg	1	8/15/2020 9:38:53 PM	54430
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	8/15/2020 9:38:53 PM	54430

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 **2008699**

Date Reported: **8/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-5 West

Project: Devon Cotton Draw 10 Fed Com 2H 2RP

Collection Date: 8/11/2020 10:30:00 AM

Lab ID: 2008699-003

Matrix: SOIL

Received Date: 8/13/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	190	60		mg/Kg	20	8/18/2020 3:51:55 PM	54499
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	15	9.5		mg/Kg	1	8/17/2020 3:38:27 PM	54431
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/17/2020 3:38:27 PM	54431
Surr: DNOP	93.5	30.4-154		%Rec	1	8/17/2020 3:38:27 PM	54431
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/15/2020 10:02:15 PM	54430
Surr: BFB	95.7	75.3-105		%Rec	1	8/15/2020 10:02:15 PM	54430
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	8/15/2020 10:02:15 PM	54430
Toluene	ND	0.049		mg/Kg	1	8/15/2020 10:02:15 PM	54430
Ethylbenzene	ND	0.049		mg/Kg	1	8/15/2020 10:02:15 PM	54430
Xylenes, Total	ND	0.099		mg/Kg	1	8/15/2020 10:02:15 PM	54430
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	8/15/2020 10:02:15 PM	54430

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 **2008699**

Date Reported: **8/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-6 Southwest

Project: Devon Cotton Draw 10 Fed Com 2H 2RP

Collection Date: 8/11/2020 10:45:00 AM

Lab ID: 2008699-004

Matrix: SOIL

Received Date: 8/13/2020 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	8/18/2020 4:04:20 PM	54499
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/17/2020 4:02:24 PM	54431
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/17/2020 4:02:24 PM	54431
Surr: DNOP	99.2	30.4-154		%Rec	1	8/17/2020 4:02:24 PM	54431
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/15/2020 10:25:36 PM	54430
Surr: BFB	96.6	75.3-105		%Rec	1	8/15/2020 10:25:36 PM	54430
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	8/15/2020 10:25:36 PM	54430
Toluene	ND	0.049		mg/Kg	1	8/15/2020 10:25:36 PM	54430
Ethylbenzene	ND	0.049		mg/Kg	1	8/15/2020 10:25:36 PM	54430
Xylenes, Total	ND	0.098		mg/Kg	1	8/15/2020 10:25:36 PM	54430
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	8/15/2020 10:25:36 PM	54430

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 **2008699**

Date Reported: **8/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-7 South

Project: Devon Cotton Draw 10 Fed Com 2H 2RP

Collection Date: 8/11/2020 11:00:00 AM

Lab ID: 2008699-005

Matrix: SOIL

Received Date: 8/13/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	110	60		mg/Kg	20	8/18/2020 4:16:45 PM	54499
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	8/17/2020 4:26:17 PM	54431
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/17/2020 4:26:17 PM	54431
Surr: DNOP	99.2	30.4-154		%Rec	1	8/17/2020 4:26:17 PM	54431
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/15/2020 10:48:59 PM	54430
Surr: BFB	95.9	75.3-105		%Rec	1	8/15/2020 10:48:59 PM	54430
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	8/15/2020 10:48:59 PM	54430
Toluene	ND	0.047		mg/Kg	1	8/15/2020 10:48:59 PM	54430
Ethylbenzene	ND	0.047		mg/Kg	1	8/15/2020 10:48:59 PM	54430
Xylenes, Total	ND	0.095		mg/Kg	1	8/15/2020 10:48:59 PM	54430
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	8/15/2020 10:48:59 PM	54430

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 **2008699**

Date Reported: **8/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-8 East

Project: Devon Cotton Draw 10 Fed Com 2H 2RP

Collection Date: 8/11/2020 11:25:00 AM

Lab ID: 2008699-006

Matrix: SOIL

Received Date: 8/13/2020 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	8/18/2020 4:29:10 PM	54499
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/17/2020 4:50:08 PM	54431
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/17/2020 4:50:08 PM	54431
Surr: DNOP	99.5	30.4-154		%Rec	1	8/17/2020 4:50:08 PM	54431
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/15/2020 11:12:20 PM	54430
Surr: BFB	95.7	75.3-105		%Rec	1	8/15/2020 11:12:20 PM	54430
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	8/15/2020 11:12:20 PM	54430
Toluene	ND	0.050		mg/Kg	1	8/15/2020 11:12:20 PM	54430
Ethylbenzene	ND	0.050		mg/Kg	1	8/15/2020 11:12:20 PM	54430
Xylenes, Total	ND	0.099		mg/Kg	1	8/15/2020 11:12:20 PM	54430
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	8/15/2020 11:12:20 PM	54430

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 **2008699**

Date Reported: **8/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-9 Northeast

Project: Devon Cotton Draw 10 Fed Com 2H 2RP

Collection Date: 8/11/2020 11:55:00 AM

Lab ID: 2008699-007

Matrix: SOIL

Received Date: 8/13/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	180	60		mg/Kg	20	8/18/2020 4:41:34 PM	54499
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	16	9.7		mg/Kg	1	8/17/2020 5:14:05 PM	54431
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/17/2020 5:14:05 PM	54431
Surr: DNOP	98.7	30.4-154		%Rec	1	8/17/2020 5:14:05 PM	54431
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/15/2020 11:35:48 PM	54430
Surr: BFB	97.9	75.3-105		%Rec	1	8/15/2020 11:35:48 PM	54430
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	8/15/2020 11:35:48 PM	54430
Toluene	ND	0.049		mg/Kg	1	8/15/2020 11:35:48 PM	54430
Ethylbenzene	ND	0.049		mg/Kg	1	8/15/2020 11:35:48 PM	54430
Xylenes, Total	ND	0.099		mg/Kg	1	8/15/2020 11:35:48 PM	54430
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	8/15/2020 11:35:48 PM	54430

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 **2008699**

Date Reported: **8/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-10 Northwest

Project: Devon Cotton Draw 10 Fed Com 2H 2RP

Collection Date: 8/11/2020 12:15:00 PM

Lab ID: 2008699-008

Matrix: SOIL

Received Date: 8/13/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	79	60		mg/Kg	20	8/18/2020 4:53:59 PM	54499
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/18/2020 7:08:53 PM	54431
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/18/2020 7:08:53 PM	54431
Surr: DNOP	105	30.4-154		%Rec	1	8/18/2020 7:08:53 PM	54431
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/15/2020 11:59:10 PM	54430
Surr: BFB	101	75.3-105		%Rec	1	8/15/2020 11:59:10 PM	54430
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	8/15/2020 11:59:10 PM	54430
Toluene	ND	0.048		mg/Kg	1	8/15/2020 11:59:10 PM	54430
Ethylbenzene	ND	0.048		mg/Kg	1	8/15/2020 11:59:10 PM	54430
Xylenes, Total	ND	0.095		mg/Kg	1	8/15/2020 11:59:10 PM	54430
Surr: 4-Bromofluorobenzene	108	80-120		%Rec	1	8/15/2020 11:59:10 PM	54430

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#: 2008699

20-Aug-20

Client: Safety & Environmental Solutions
Project: Devon Cotton Draw 10 Fed Com 2H 2RP-5378

Sample ID: MB-54499	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 54499	RunNo: 71154								
Prep Date: 8/18/2020	Analysis Date: 8/18/2020	SeqNo: 2481784	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-54499	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 54499	RunNo: 71154								
Prep Date: 8/18/2020	Analysis Date: 8/18/2020	SeqNo: 2481785	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.8	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2008699

20-Aug-20

Client: Safety & Environmental Solutions
Project: Devon Cotton Draw 10 Fed Com 2H 2RP-5378

Sample ID: MB-54431	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 54431	RunNo: 71115								
Prep Date: 8/14/2020	Analysis Date: 8/17/2020	SeqNo: 2478838	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	11		10.00		105	30.4	154			

Sample ID: LCS-54431	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 54431	RunNo: 71115								
Prep Date: 8/14/2020	Analysis Date: 8/17/2020	SeqNo: 2479491	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	101	70	130			
Surr: DNOP	4.8		5.000		96.2	30.4	154			

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#: 2008699

20-Aug-20

Client: Safety & Environmental Solutions
Project: Devon Cotton Draw 10 Fed Com 2H 2RP-5378

Sample ID: mb-54430	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 54430	RunNo: 71111								
Prep Date: 8/14/2020	Analysis Date: 8/15/2020	SeqNo: 2478539	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	1000		1000		100	75.3	105			

Sample ID: ics-54430	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 54430	RunNo: 71111								
Prep Date: 8/14/2020	Analysis Date: 8/15/2020	SeqNo: 2478540	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.8	72.5	106			
Surr: BFB	1100		1000		111	75.3	105			S

Sample ID: mb-54437	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 54437	RunNo: 71136								
Prep Date: 8/15/2020	Analysis Date: 8/17/2020	SeqNo: 2480048	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		104	75.3	105			

Sample ID: ics-54437	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 54437	RunNo: 71136								
Prep Date: 8/15/2020	Analysis Date: 8/17/2020	SeqNo: 2480049	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		111	75.3	105			S

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical 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#: 2008699

20-Aug-20

Client: Safety & Environmental Solutions
Project: Devon Cotton Draw 10 Fed Com 2H 2RP-5378

Sample ID: mb-54430	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 54430	RunNo: 71111								
Prep Date: 8/14/2020	Analysis Date: 8/15/2020	SeqNo: 2478583	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		104	80	120			

Sample ID: LCS-54430	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 54430	RunNo: 71111								
Prep Date: 8/14/2020	Analysis Date: 8/15/2020	SeqNo: 2478584	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.8	80	120			
Toluene	0.91	0.050	1.000	0	91.1	80	120			
Ethylbenzene	0.92	0.050	1.000	0	91.9	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.9	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Sample ID: mb-54437	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 54437	RunNo: 71136								
Prep Date: 8/15/2020	Analysis Date: 8/17/2020	SeqNo: 2480091	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Sample ID: LCS-54437	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 54437	RunNo: 71136								
Prep Date: 8/15/2020	Analysis Date: 8/17/2020	SeqNo: 2480092	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		106	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



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: Safety & Environmental Solutions
Work Order Number: 2008699
RcptNo: 1

Received By: Emily Mocho 8/13/2020 8:00:00 AM

Completed By: Michelle Garcia 8/13/2020 9:10:55 AM

Reviewed By: [Signature] 8/13/20

[Signature: Michelle Garcia]

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

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

of preserved bottles checked for pH: (<2 or >12 unless noted)
Adjusted?
Checked by: [Signature]

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 3.8, Good, Yes, [], [], []



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

August 20, 2020

Bob Allen
Safety & Environmental Solutions
PO Box 1613
Hobbs, NM 88241
TEL: (575) 397-0510
FAX: (575) 393-4388

RE: Devon Cotton Draw 10 Fed Com 2H 2RP-4804

OrderNo.: 2008698

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 7 sample(s) on 8/13/2020 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 thin horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2008698**

Date Reported: **8/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-1 3ft

Project: Devon Cotton Draw 10 Fed Com 2H 2RP

Collection Date: 8/11/2020 12:50:00 PM

Lab ID: 2008698-001

Matrix: SOIL

Received Date: 8/13/2020 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	8/18/2020 12:45:47 PM	54499
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/16/2020 1:08:46 PM	54415
Surr: BFB	99.5	70-130		%Rec	1	8/16/2020 1:08:46 PM	54415
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/17/2020 10:51:02 AM	54431
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/17/2020 10:51:02 AM	54431
Surr: DNOP	96.6	30.4-154		%Rec	1	8/17/2020 10:51:02 AM	54431
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	8/16/2020 1:08:46 PM	54415
Toluene	ND	0.049		mg/Kg	1	8/16/2020 1:08:46 PM	54415
Ethylbenzene	ND	0.049		mg/Kg	1	8/16/2020 1:08:46 PM	54415
Xylenes, Total	ND	0.097		mg/Kg	1	8/16/2020 1:08:46 PM	54415
Surr: 1,2-Dichloroethane-d4	93.4	70-130		%Rec	1	8/16/2020 1:08:46 PM	54415
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	8/16/2020 1:08:46 PM	54415
Surr: Dibromofluoromethane	104	70-130		%Rec	1	8/16/2020 1:08:46 PM	54415
Surr: Toluene-d8	89.3	70-130		%Rec	1	8/16/2020 1:08:46 PM	54415

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 **2008698**

Date Reported: **8/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: AH-2 2.5ft

Project: Devon Cotton Draw 10 Fed Com 2H 2RP

Collection Date: 8/11/2020 1:20:00 PM

Lab ID: 2008698-002

Matrix: SOIL

Received Date: 8/13/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	61		mg/Kg	20	8/18/2020 1:47:50 PM	54499
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/16/2020 8:17:38 PM	54415
Surr: BFB	106	70-130		%Rec	1	8/16/2020 8:17:38 PM	54415
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/17/2020 12:02:44 PM	54431
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/17/2020 12:02:44 PM	54431
Surr: DNOP	96.0	30.4-154		%Rec	1	8/17/2020 12:02:44 PM	54431
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.023		mg/Kg	1	8/16/2020 8:17:38 PM	54415
Toluene	ND	0.047		mg/Kg	1	8/16/2020 8:17:38 PM	54415
Ethylbenzene	ND	0.047		mg/Kg	1	8/16/2020 8:17:38 PM	54415
Xylenes, Total	ND	0.094		mg/Kg	1	8/16/2020 8:17:38 PM	54415
Surr: 1,2-Dichloroethane-d4	94.3	70-130		%Rec	1	8/16/2020 8:17:38 PM	54415
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	8/16/2020 8:17:38 PM	54415
Surr: Dibromofluoromethane	107	70-130		%Rec	1	8/16/2020 8:17:38 PM	54415
Surr: Toluene-d8	91.3	70-130		%Rec	1	8/16/2020 8:17:38 PM	54415

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 **2008698**

Date Reported: **8/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-5 North

Project: Devon Cotton Draw 10 Fed Com 2H 2RP

Collection Date: 8/11/2020 1:40:00 PM

Lab ID: 2008698-003

Matrix: SOIL

Received Date: 8/13/2020 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	8/18/2020 2:00:15 PM	54499
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/16/2020 8:46:08 PM	54415
Surr: BFB	105	70-130		%Rec	1	8/16/2020 8:46:08 PM	54415
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	34	9.7		mg/Kg	1	8/17/2020 12:26:40 PM	54431
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/17/2020 12:26:40 PM	54431
Surr: DNOP	104	30.4-154		%Rec	1	8/17/2020 12:26:40 PM	54431
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	8/16/2020 8:46:08 PM	54415
Toluene	ND	0.048		mg/Kg	1	8/16/2020 8:46:08 PM	54415
Ethylbenzene	ND	0.048		mg/Kg	1	8/16/2020 8:46:08 PM	54415
Xylenes, Total	ND	0.095		mg/Kg	1	8/16/2020 8:46:08 PM	54415
Surr: 1,2-Dichloroethane-d4	94.1	70-130		%Rec	1	8/16/2020 8:46:08 PM	54415
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	8/16/2020 8:46:08 PM	54415
Surr: Dibromofluoromethane	105	70-130		%Rec	1	8/16/2020 8:46:08 PM	54415
Surr: Toluene-d8	93.0	70-130		%Rec	1	8/16/2020 8:46:08 PM	54415

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 **2008698**

Date Reported: **8/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-6 West

Project: Devon Cotton Draw 10 Fed Com 2H 2RP

Collection Date: 8/11/2020 1:50:00 PM

Lab ID: 2008698-004

Matrix: SOIL

Received Date: 8/13/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	190	60		mg/Kg	20	8/18/2020 2:12:40 PM	54499
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/16/2020 9:14:37 PM	54415
Surr: BFB	104	70-130		%Rec	1	8/16/2020 9:14:37 PM	54415
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	18	9.8		mg/Kg	1	8/17/2020 12:50:39 PM	54431
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/17/2020 12:50:39 PM	54431
Surr: DNOP	103	30.4-154		%Rec	1	8/17/2020 12:50:39 PM	54431
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.023		mg/Kg	1	8/16/2020 9:14:37 PM	54415
Toluene	ND	0.047		mg/Kg	1	8/16/2020 9:14:37 PM	54415
Ethylbenzene	ND	0.047		mg/Kg	1	8/16/2020 9:14:37 PM	54415
Xylenes, Total	ND	0.094		mg/Kg	1	8/16/2020 9:14:37 PM	54415
Surr: 1,2-Dichloroethane-d4	92.9	70-130		%Rec	1	8/16/2020 9:14:37 PM	54415
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	8/16/2020 9:14:37 PM	54415
Surr: Dibromofluoromethane	108	70-130		%Rec	1	8/16/2020 9:14:37 PM	54415
Surr: Toluene-d8	91.3	70-130		%Rec	1	8/16/2020 9:14:37 PM	54415

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 2008698

Date Reported: 8/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-7 Southwest

Project: Devon Cotton Draw 10 Fed Com 2H 2RP

Collection Date: 8/11/2020 2:10:00 PM

Lab ID: 2008698-005

Matrix: SOIL

Received Date: 8/13/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	190	60		mg/Kg	20	8/18/2020 2:25:05 PM	54499
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/16/2020 9:43:03 PM	54415
Surr: BFB	110	70-130		%Rec	1	8/16/2020 9:43:03 PM	54415
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	21	9.6		mg/Kg	1	8/17/2020 1:14:39 PM	54431
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/17/2020 1:14:39 PM	54431
Surr: DNOP	108	30.4-154		%Rec	1	8/17/2020 1:14:39 PM	54431
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	8/16/2020 9:43:03 PM	54415
Toluene	ND	0.047		mg/Kg	1	8/16/2020 9:43:03 PM	54415
Ethylbenzene	ND	0.047		mg/Kg	1	8/16/2020 9:43:03 PM	54415
Xylenes, Total	ND	0.094		mg/Kg	1	8/16/2020 9:43:03 PM	54415
Surr: 1,2-Dichloroethane-d4	91.9	70-130		%Rec	1	8/16/2020 9:43:03 PM	54415
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	8/16/2020 9:43:03 PM	54415
Surr: Dibromofluoromethane	104	70-130		%Rec	1	8/16/2020 9:43:03 PM	54415
Surr: Toluene-d8	90.6	70-130		%Rec	1	8/16/2020 9:43:03 PM	54415

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 **2008698**

Date Reported: **8/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-8 South

Project: Devon Cotton Draw 10 Fed Com 2H 2RP

Collection Date: 8/11/2020 2:20:00 PM

Lab ID: 2008698-006

Matrix: SOIL

Received Date: 8/13/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	77	60		mg/Kg	20	8/18/2020 2:37:29 PM	54499
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/17/2020 8:02:35 PM	54431
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/17/2020 8:02:35 PM	54431
Surr: DNOP	110	30.4-154		%Rec	1	8/17/2020 8:02:35 PM	54431
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/15/2020 6:54:27 PM	54430
Surr: BFB	101	75.3-105		%Rec	1	8/15/2020 6:54:27 PM	54430
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	8/15/2020 6:54:27 PM	54430
Toluene	ND	0.048		mg/Kg	1	8/15/2020 6:54:27 PM	54430
Ethylbenzene	ND	0.048		mg/Kg	1	8/15/2020 6:54:27 PM	54430
Xylenes, Total	ND	0.096		mg/Kg	1	8/15/2020 6:54:27 PM	54430
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	8/15/2020 6:54:27 PM	54430

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 **2008698**

Date Reported: **8/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: H-9 East

Project: Devon Cotton Draw 10 Fed Com 2H 2RP

Collection Date: 8/11/2020 2:30:00 PM

Lab ID: 2008698-007

Matrix: SOIL

Received Date: 8/13/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	89	60		mg/Kg	20	8/18/2020 2:49:54 PM	54499
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/17/2020 8:26:29 PM	54431
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/17/2020 8:26:29 PM	54431
Surr: DNOP	106	30.4-154		%Rec	1	8/17/2020 8:26:29 PM	54431
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/15/2020 8:05:08 PM	54430
Surr: BFB	102	75.3-105		%Rec	1	8/15/2020 8:05:08 PM	54430
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	8/15/2020 8:05:08 PM	54430
Toluene	ND	0.049		mg/Kg	1	8/15/2020 8:05:08 PM	54430
Ethylbenzene	ND	0.049		mg/Kg	1	8/15/2020 8:05:08 PM	54430
Xylenes, Total	ND	0.097		mg/Kg	1	8/15/2020 8:05:08 PM	54430
Surr: 4-Bromofluorobenzene	107	80-120		%Rec	1	8/15/2020 8:05:08 PM	54430

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#: 2008698

20-Aug-20

Client: Safety & Environmental Solutions
Project: Devon Cotton Draw 10 Fed Com 2H 2RP-4804

Sample ID: MB-54499	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 54499	RunNo: 71154								
Prep Date: 8/18/2020	Analysis Date: 8/18/2020	SeqNo: 2481784	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-54499	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 54499	RunNo: 71154								
Prep Date: 8/18/2020	Analysis Date: 8/18/2020	SeqNo: 2481785	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.8	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2008698

20-Aug-20

Client: Safety & Environmental Solutions
Project: Devon Cotton Draw 10 Fed Com 2H 2RP-4804

Sample ID: MB-54431	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 54431	RunNo: 71115								
Prep Date: 8/14/2020	Analysis Date: 8/17/2020	SeqNo: 2478838	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	11		10.00		105	30.4	154			

Sample ID: LCS-54431	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 54431	RunNo: 71115								
Prep Date: 8/14/2020	Analysis Date: 8/17/2020	SeqNo: 2479491	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	101	70	130			
Surr: DNOP	4.8		5.000		96.2	30.4	154			

Sample ID: 2008698-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: AH-1 3ft	Batch ID: 54431	RunNo: 71115								
Prep Date: 8/14/2020	Analysis Date: 8/17/2020	SeqNo: 2479502	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	9.8	48.78	0	104	47.4	136			
Surr: DNOP	4.7		4.878		95.7	30.4	154			

Sample ID: 2008698-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: AH-1 3ft	Batch ID: 54431	RunNo: 71115								
Prep Date: 8/14/2020	Analysis Date: 8/17/2020	SeqNo: 2479503	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.5	47.71	0	101	47.4	136	5.11	43.4	
Surr: DNOP	4.5		4.771		94.0	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2008698

20-Aug-20

Client: Safety & Environmental Solutions
Project: Devon Cotton Draw 10 Fed Com 2H 2RP-4804

Sample ID: mb-54430	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 54430	RunNo: 71111								
Prep Date: 8/14/2020	Analysis Date: 8/15/2020	SeqNo: 2478539	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	1000		1000		100	75.3	105			

Sample ID: ics-54430	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 54430	RunNo: 71111								
Prep Date: 8/14/2020	Analysis Date: 8/15/2020	SeqNo: 2478540	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.8	72.5	106			
Surr: BFB	1100		1000		111	75.3	105			S

Sample ID: 2008698-007ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: H-9 East	Batch ID: 54430	RunNo: 71111								
Prep Date: 8/14/2020	Analysis Date: 8/15/2020	SeqNo: 2478543	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.6	23.06	0	98.2	61.3	114			
Surr: BFB	1000		922.5		112	75.3	105			S

Sample ID: 2008698-007amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: H-9 East	Batch ID: 54430	RunNo: 71111								
Prep Date: 8/14/2020	Analysis Date: 8/15/2020	SeqNo: 2478544	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.9	24.37	0	98.3	61.3	114	5.62	20	
Surr: BFB	1100		974.7		109	75.3	105	0	0	S

Sample ID: mb-54437	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 54437	RunNo: 71136								
Prep Date: 8/15/2020	Analysis Date: 8/17/2020	SeqNo: 2480048	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		104	75.3	105			

Sample ID: ics-54437	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 54437	RunNo: 71136								
Prep Date: 8/15/2020	Analysis Date: 8/17/2020	SeqNo: 2480049	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		111	75.3	105			S

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical 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#: 2008698

20-Aug-20

Client: Safety & Environmental Solutions
Project: Devon Cotton Draw 10 Fed Com 2H 2RP-4804

Sample ID: mb-54430	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 54430	RunNo: 71111								
Prep Date: 8/14/2020	Analysis Date: 8/15/2020	SeqNo: 2478583	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		104	80	120			

Sample ID: LCS-54430	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 54430	RunNo: 71111								
Prep Date: 8/14/2020	Analysis Date: 8/15/2020	SeqNo: 2478584	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.8	80	120			
Toluene	0.91	0.050	1.000	0	91.1	80	120			
Ethylbenzene	0.92	0.050	1.000	0	91.9	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.9	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Sample ID: 2008698-006ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: H-8 South	Batch ID: 54430	RunNo: 71111								
Prep Date: 8/14/2020	Analysis Date: 8/15/2020	SeqNo: 2478586	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	0.9862	0	96.8	76.3	120			
Toluene	0.99	0.049	0.9862	0.01096	99.0	78.5	120			
Ethylbenzene	1.0	0.049	0.9862	0.01192	100	78.1	124			
Xylenes, Total	3.0	0.099	2.959	0.02904	101	79.3	125			
Surr: 4-Bromofluorobenzene	1.0		0.9862		105	80	120			

Sample ID: 2008698-006amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: H-8 South	Batch ID: 54430	RunNo: 71111								
Prep Date: 8/14/2020	Analysis Date: 8/15/2020	SeqNo: 2478587	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	0.9833	0	95.3	76.3	120	1.87	20	
Toluene	0.97	0.049	0.9833	0.01096	97.3	78.5	120	2.06	20	
Ethylbenzene	1.0	0.049	0.9833	0.01192	100	78.1	124	0.503	20	
Xylenes, Total	3.0	0.098	2.950	0.02904	101	79.3	125	0.916	20	
Surr: 4-Bromofluorobenzene	1.1		0.9833		107	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2008698

20-Aug-20

Client: Safety & Environmental Solutions
Project: Devon Cotton Draw 10 Fed Com 2H 2RP-4804

Sample ID: mb-54437	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 54437	RunNo: 71136								
Prep Date: 8/15/2020	Analysis Date: 8/17/2020	SeqNo: 2480091	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Sample ID: LCS-54437	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 54437	RunNo: 71136								
Prep Date: 8/15/2020	Analysis Date: 8/17/2020	SeqNo: 2480092	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

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#: 2008698

20-Aug-20

Client: Safety & Environmental Solutions
Project: Devon Cotton Draw 10 Fed Com 2H 2RP-4804

Sample ID: mb-54415	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 54415	RunNo: 71105								
Prep Date: 8/13/2020	Analysis Date: 8/15/2020	SeqNo: 2478157	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.46		0.5000		92.9	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		98.7	70	130			
Surr: Dibromofluoromethane	0.53		0.5000		107	70	130			
Surr: Toluene-d8	0.48		0.5000		95.1	70	130			

Sample ID: ics-54415	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 54415	RunNo: 71105								
Prep Date: 8/13/2020	Analysis Date: 8/15/2020	SeqNo: 2478158	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.3	0.10	3.000	0	110	80	120			
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		94.8	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		97.8	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		103	70	130			
Surr: Toluene-d8	0.46		0.5000		92.1	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2008698

20-Aug-20

Client: Safety & Environmental Solutions
Project: Devon Cotton Draw 10 Fed Com 2H 2RP-4804

Sample ID: mb-54415	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 54415	RunNo: 71105								
Prep Date: 8/13/2020	Analysis Date: 8/15/2020	SeqNo: 2478196	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	530		500.0		106	70	130			

Sample ID: lcs-54415	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 54415	RunNo: 71105								
Prep Date: 8/13/2020	Analysis Date: 8/15/2020	SeqNo: 2478197	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	95.5	70	130			
Surr: BFB	540		500.0		107	70	130			

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 | |



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: **Safety & Environmental Solutions** Work Order Number: **2008698** RcptNo: **1**

Received By: **Emily Mocho** 8/13/2020 8:00:00 AM

Completed By: **Michelle Garcia** 8/13/2020 8:58:30 AM

Reviewed By: *LB* *8/13/20*

Michelle Garcia

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° 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? Yes No
 (Note discrepancies on chain of custody)
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? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)

Adjusted? _____

Checked by *CME 8/13/20*

Special Handling (if applicable)

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

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.8	Good	Yes			

Chain-of-Custody Record

Client: Safety & Environmental Solutions

Mailing Address: 703 E. CLINTON

6666 N.W. 88240

Phone #: 575-397-0510

email or Fax#:

QA/QC Package: Standard Level 4 (Full Validation)

Accreditation: AZ Compliance NELAC Other

EDD (Type)

Turn-Around Time: 5 days

Standard Rush

Project Name: Devon Cotton Drip 10 Fed Com 2H 2RP-4804

Project #: DEV-20-008

Project Manager: Allen Bob

Sampler: Son Jerry

On Ice: Yes No

of Coolers: 1

Cooler Temp (including cp): 3.5 to 3.8 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
08/11	1250	S	AH-1 3FT	1	Ice	2008698 -001
	1320	S	AH-2 2.5FT	1		-002
	1340	S	AH-5 NORTH	1		-003
	1350	S	AH-6 WEST	1		-004
	1410	S	AH-7 SOUTH	1		-005
	1420	S	AH-8 SOUTH	1		-006
08/11	1430	S	AH-9 EAST	1		-007

Relinquished by: Son Jerry Date: 08/12/20 0800

Relinquished by: [Signature] Date: 8/12/20 1910

Received by: [Signature] Date: 8/12/20 0830

Received by: SNM courier Date: 8/13/20 8:00

Analysis Request

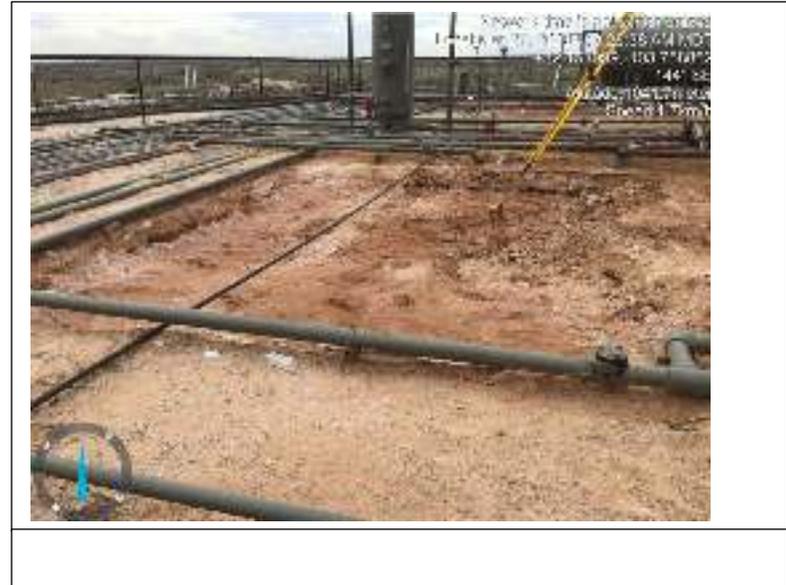
BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCBs	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
XX	XX								X Chlorides
XX	XX								
XX	XX								
XX	XX								

Remarks: Bill Devon

Devon – Cotton Draw Unit #10 Fed Com 2H Excavation Photos



Devon – Cotton Draw Unit #10 Fed Com 2H Excavation Photos



Devon – Cotton Draw Unit #10 Fed Com 2H Deferral Area Photos



Incident ID	nAB1816432279
District RP	
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: Dale Woodall Title: Env. Professional

Signature: *Dale Woodall* Date: 11/16/2022

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: _____

Incident ID	NAB1911943617
District RP	
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.*

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- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
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Printed Name: Dale Woodall Title: Env. Professional
 Signature: *Dale Woodall* Date: 11/16/2022
 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: _____

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 159444

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 159444
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAB1816432279 COTTON DRAW 10 FEDERAL COM #002H, thank you. This closure is approved.	2/13/2023