

Form C-141

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State of New Mexico
Oil Conservation Division

Incident ID	NAPP2205655153
District RP	
Facility ID	
Application ID	

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u> >55 </u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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

Printed Name: DALE WOODALL Title: ENV. PROFESSIONALSignature: Dale Woodall Date: 8/11/2022email: DALE.WOODALL@DVN.COM Telephone: 575-748-1838**OCD Only**Received by: Jocelyn Harimon Date: 09/26/2022

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Remediation Plan

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

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

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

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

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

Printed Name: DALE WOODALL Title: ENV. PROFESSIONALSignature: Dale Woodall Date: 8/11/2022email: DALE.WOODALL@DVN.COM Telephone: 575-748-1838**OCD Only**Received by: Jocelyn Harimon Date: 09/26/2022☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

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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 OCD 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: 8/11/2022
email: DALE.WOODALL@DVN.COM Telephone: 575-748-1838

OCD Only

Received by: Jocelyn Harimon Date: 09/26/2022

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: Jennifer Nobui Date: 09/27/2022
Printed Name: Jennifer Nobui Title: Environmental Specialist A

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2205855153
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Devon Energy Production Company	OGRID	6137
Contact Name	Dale Woodall	Contact Telephone	
Contact email	Dale.Woodall@dm.com	Incident # (assigned by OCD)	
Contact mailing address	6488 Seven Rivers Hwy Artesia, NM 88210		

Location of Release Source

Latitude 32.25527778 Longitude -103.5738889
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Mesquite Booster @ Thistle 33 Connection	Site Type	Oil
Date Release Discovered	02/25/2022	API# (if applicable)	

Unit Letter	Section	Township	Range	County
O	33	23S	33E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 12.6 BBLS	Volume Recovered (bbls) 9 BBLS
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Equipment failure.



Caprock Services LLC,
P.O Box 457
Lovington, NM 88260
(575)408-3638

August 16, 2022

New Mexico Oil Conservation Division
District 1 (Hobbs)
1625 N. French Dr
Hobbs, NM 88240

**RE: Release Closure Report
 Mesquite Booster @ 33 Connection
 Devon Energy Production Company
 Incident Report Number: NAPP2205655153
 Lea County New Mexico**

To Whom it may concern:

Caprock Services on behalf of Devon Energy, presents the following closure report. This report provides a summary of remediation activities completed at the mesquite booster @ 33 connection. The site is located in Unit O, Section 33, Township 23 South, Range 33 East.
GPS: 32.25527778, -103.5738889

NMOCD APPROVALS/STIPULATIONS

The Site Assessment Report and Proposed Remediation Plan was subsequently approved. Please reference the associated Site Assessment Report and Proposed Remediation Plan that was submitted for additional details.

REMEDIATION ACTIVITIES SUMMARY

On **May 18, 2022**, RDL Excavating, began excavating and stockpiling impacted material on-site. Side walls and floors where advanced until field observations suggested chloride and hydrocarbon impacts had been mitigated. Impacted material was transported under manifest to Oilfield Water Logistics (OWL) a NMOCD-permitted disposal facility.

On **June 9, 2022**, Caprock Services LLC, collected twenty four (24) soil samples and submitted them to the laboratory in an effort to determine if soil was affected above the NMOCD Closure Criteria. The collected soil samples were submitted to Cardinal Laboratories a NMOCD-approved laboratory for analysis of BTEX, TPH and Chloride. Laboratory analytical results indicated concentrations of Chloride exceeded the NMOCD Closure Criteria in soil samples Floor #7 and Floor #8.

Upon receiving laboratory analytical results from the collected soil samples, remediation activities resumed at the release site. Impacted soil in the areas characterized by sample points Floor #7 and Floor #8 was excavated, stockpiled on-site then transported to Oilfield Water Logistics (OWL) a NMOCD-permitted disposal facility.

On **June 16, 2022**, Soil samples from Floor #7 and Floor #8 were collected and submitted to Cardinal Laboratories a NMOCD approved laboratory for analysis of BTEX, TPH, and chloride.

Upon receiving laboratory analytical results from confirmation soil samples, the excavated area was backfilled with locally-sourced, non-impact material. Areas affected by remediation and closure activities were contoured and/or compacted to achieve erosion control, stability and preservation of surface water flow to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with a landowner approved seed mixutre during the first favorable growing season follow closure of the Site.

A table summarizing laboratory analytical results from confirmation soil samples is provided on the following page:

Concentrations of BTEX, TPH and/or Chloride in Soil - Confirmation Samples											
Sample ID	Date	Depth	Soil Status	SW 846 8021B		SW 846 8015M Ext.					E300/4500Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
East Wall 1	6/9/22	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
East Wall 2	6/9/22	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
East Wall 3	6/9/22	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
North Wall 1	6/9/22	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
North Wall 2	6/9/22	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
West Wall 1	6/9/22	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
West Wall 2	6/9/22	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
West wall 3	6/9/22	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16
South Wall 1	6/9/22	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
South wall 2	6/9/22	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
South Wall 3	6/9/22	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
Floor 1	6/9/22	6'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
Floor 2	6/9/22	6'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,090
Floor 3	6/9/22	6'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,600
Floor 4	6/9/22	6'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
Floor 5	6/9/22	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,920
Floor 6	6/9/22	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,440
Floor 7	6/16/22	5'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,720
Floor 8	6/16/22	5'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,200
Floor 9	6/9/22	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,330
Floor 10	6/9/22	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,200
Floor 11	6/9/22	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
Floor 12	6/9/22	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,400
Floor 13	6/9/22	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,100
Closure Criteria				10	50	-	-	1,000	-	2,500	10,000

A "Site & Sample Location Map" is provided as Attachment #3. Soil profile observations are provided on Attachment #5. Laboratory analytical reports are provided as Attachment #6.

CLOSURE REQUEST

Remediation activities were conducted in accordance with an approved work plan. Impacted soil affected above the NMOCD Closure Criteria was excavated and transported to Oilfield Water Logistics (OWL) an NMOCD-permitted facility for disposal. Laboratory analytical results from confirmation soil sample indicate BTEX, TPH and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples. Upon receiving laboratory analytical results from confirmation soil samples, the excavated area was backfilled with locally-sourced, non-impacted material.

During the course of remediation activities, approximately 647 cubic yards of impacted soil were excavated and transported to Oilfield Water Logistics (OWL) an NMOCD-permitted facility for disposal.

Based on laboratory analytical results, field activities conducted to date and conditions at the site, Caprock Services LLC, recommends Devon Energy provides a copy of this remediation summary and closure report to the NMOCD and request closure to be granted to the Mesquite Booster @ 33 connection.

Respectfully,

Matt Taylor
Environmental Professional
Caprock Services, LLC

Attachments:

- Attachment #1- Figure 1 - Topographic Map
- Attachment #2- Figure 2 - Aerial Map
- Attachment #3- Figure 3 - Site & Sample Location Map
- Attachment #4- Depth to Groundwater Information
- Attachment #5- Soil Profile
- Attachment #6- Laboratory Analytical Reports
- Attachment #7- Photographic Log
- Attachment #8- Release Notification (FORM C-141)
- Attachment #9- Email Correspondence

LIMITATIONS

This document has been prepared on behalf of Devon Energy. Use of information contained in this report, including exhibits and attachments, by any other party without the consent of Caprock Services LLC, and/or Devon Energy is prohibited.

This document has been prepared in a professional manner, using the degree of skill and care exercised by similar environmental professionals. Caprock Services LLC, notes that the facts and conditions referenced in this document may change over time and that the conclusions and recommendations are only applicable to the facts and conditions as described at the time this document was prepared.

Caprock Services LLC, has prepared this report to the best of its ability. No other warranty, expressed or implied, is made or intended.



LEGEND:

● Site Location

Figure 1

Topographic Map

Devon Energy

Mesquite Booster Trunkline

GPS: (32.255735°), (-103.571636)

Lea County, New Mexico



Drafted by- MST

Checked by: client

Date: 7/18/2022



LEGEND:

- Site Location
- Fresh Water Well
- 100-Year Floodplain
- High/Critical Karst
- Non-Industrial Building
- Subsurface Mine
- 1/2 Mile Radius

Figure 2

Aerial Map

Devon Energy

Mesquite Booster @ Thistle 33 Concession

GPS: 32.25527778, -103.5738889

Lea County, New Mexico

Caprock

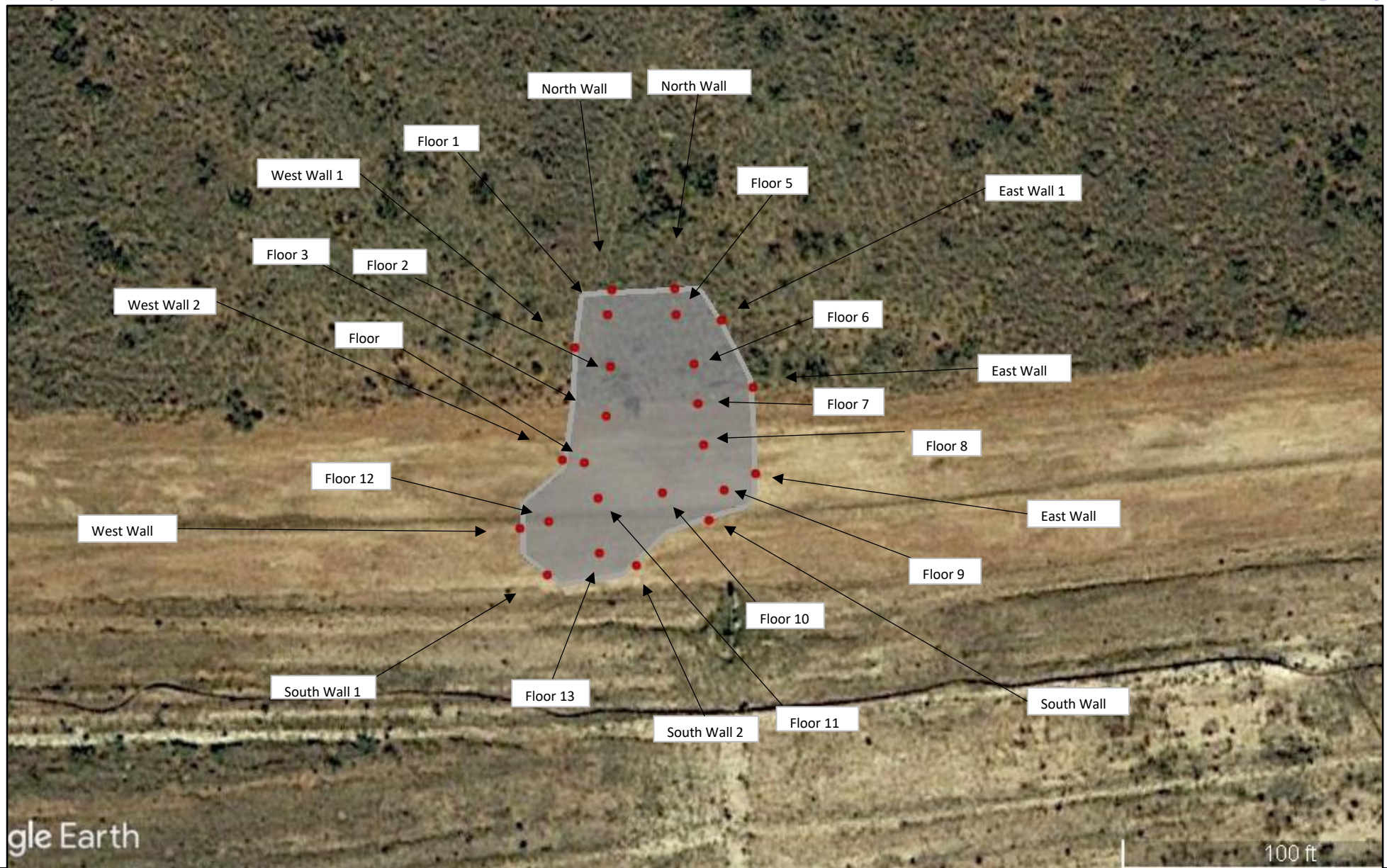


Services

Drafted by: MST

Checked by: client

Date: 8/16/2022



LEGEND:

- Sample Location
- Excavated Area

Figure 3

Site & Sample Location Map
 Devon Energy
 Mesquite Booster @ Thistle 33 Concession
 GPS: 32.25527778, -103.5738889
 Lea County, New Mexico



Drafted by: MST

Checked by: client

Date: 8/16/2022

Groundwater Data



New Mexico Office of the State Engineer Water Column/Average Depth to Water

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

(R=POD has
been replaced,
O=orphaned,
C=the file is
closed)

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 02275	CUB	LE	3	3	2	19	23S	33E		630843	3573557*	650	400	250
C 02276	CUB	LE	3	1	4	19	23S	33E		630848	3573154*	650	400	250
C 02277	CUB	LE	2	3	4	20	23S	33E		632663	3572970*	550	400	150
C 02278	CUB	LE	3	4	2	28	23S	33E		634484	3571989*	650	400	250
C 02279	CUB	LE	3	4	3	28	23S	33E		633691	3571173*	650	400	250
C 02280	CUB	LE	3	2	4	28	23S	33E		634489	3571586*	650	400	250
C 02281	CUB	LE	3	4	4	28	23S	33E		634495	3571183*	545	400	145
C 02282	CUB	LE	3	1	1	25	23S	33E		638098	3572436*	325	225	100
C 02283	CUB	LE	4	2	2	26	23S	33E		637896	3572431*	325	225	100
C 02284	CUB	LE	4	2	4	26	23S	33E		637907	3571826*	325	225	100
C 03582 POD1	C	LE	4	1	1	14	23S	33E		636583	3575666	590		
C 04551 POD1	CUB	LE	4	4	3	31	23S	33E		630671	3569556			
C 04595 POD1	CUB	LE	4	3	3	34	23S	33E		635150	3569564	55		

Average Depth to Water: 347 feet

Minimum Depth: 225 feet

Maximum Depth: 400 feet

Record Count: 13

Basin/County Search:

County: Lea

PLSS Search:

Township: 23S Range: 33E

*UTM location was derived from PLSS - see Help

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

4/15/22 5:59 PM

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WATER COLUMN/ AVERAGE
DEPTH TO WATER

Groundwater Data



2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

04/01/2022

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4595 Pod1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, C-4595 Pod1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Lucas Middleton". The signature is fluid and cursive, with the first name "Lucas" and last name "Middleton" clearly distinguishable.

Lucas Middleton

Enclosures: as noted above

COE 011 APR 4 2022 9:24:03

Groundwater Data



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO.		OSE FILE NO(S). C-4595		
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838		
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	
					ZIP 88210		
2. DRILLING & CASING INFORMATION	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 15	SECONDS 16.73	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
				N			
		103	33	54.92	* DATUM REQUIRED: WGS 84		
				W			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE SW SW Sec. 34 T23S R33E							
3. ANNULAR MATERIAL	LICENSE NO. 1249	NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 03/09/2022	DRILLING ENDED 03/09/2022	DEPTH OF COMPLETED WELL (FT) temporary well casing	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) dry	DATE STATIC MEASURED 03/9/22, 3/15/22		
	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) FROM TO	BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0 55	±6.5	Boring	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT	

FOR OSE INTERNAL USE

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

FILE NO.

POD NO.

TRN NO.

LOCATION

WELL TAG ID NO.

PAGE 1 OF 2

Groundwater Data



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-4595 POD-1

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
- 4) Date well plugging began: 03/31/2022 Date well plugging concluded: 03/31/2022
- 5) GPS Well Location: Latitude: 32 deg, 15 min, 16.73 sec
Longitude: 103 deg, 33 min, 54.92 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl),
by the following manner: weighted tape
- 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: 1/28/2022
- 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):

03/31/2022 12:03

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

[illegible]

MULTIPLY		BY	AND OBTAIN	
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

I, Jackie D. Atkins, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jack Atkins

Date _____

Groundwater Data





WR-20 Well Record and Log-forsign

Final Audit Report

2022-03-31

Created:	2022-03-31
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAA5gS-BF8wqVLJUo4hjo9A2Gu8_pebpNFL

"WR-20 Well Record and Log-forsign" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)
2022-03-31 - 8:03:47 PM GMT - IP address: 69.21.254.158
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2022-03-31 - 8:04:57 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2022-03-31 - 9:28:09 PM GMT - IP address: 64.90.153.232
-  Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2022-03-31 - 9:28:49 PM GMT - Time Source: server - IP address: 64.90.153.232
-  Agreement completed.
2022-03-31 - 9:28:49 PM GMT

CSE DIT APR 4 2022 PM2:03

Groundwater Data

**LEGEND:**

- Site Location
- BE Berino-Cacique loamy fine sands association
- PU Pyote and Maljamar fine sands

Figure 1

Soil Profile Map

Devon Energy

Mesquite Booster @ 33 Concepcion

GPS: 32.25527778, -103.5738889

Lea County, New Mexico



Drafted by- MST

Checked by: client

Date: 7/18/2022



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

June 14, 2022

MATT TAYLOR

CAPROCK SERVICES

P.O. BOX 457

LOVINGTON, NM 88260

RE: MESQUITE BOOSTER UPSTREAM (M.B.U.)

Enclosed are the results of analyses for samples received by the laboratory on 06/10/22 9:12.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 "Coley D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received:	06/10/2022	Sampling Date:	06/09/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	MESQUITE BOOSTER UPSTREAM (M.B.U)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO NM		

Sample ID: EAST WALL # 1 (H222477-01)

BTEX 80218		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2022	ND	2.02	101	2.00	0.324	
Toluene*	<0.050	0.050	06/10/2022	ND	2.12	106	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	2.01	100	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/10/2022	ND	6.00	100	6.00	1.41	
Total BTEX	<0.300	0.300	06/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/10/2022	ND	448	112	400	3.51	

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C28*	<10.0	10.0	06/10/2022	ND	209	104	200	3.58	
EXTDRO >C28-C36	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received: 06/10/2022
Reported: 06/14/2022
Project Name: MESQUITE UPSTREAM (M.B.U)
Project Number: NONE GIVEN
Project Location: DEVON - LEA CO NM

Sampling Date: 06/09/22
Sample Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: E EAST WALL # 2 (H222477-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2022	ND	2.02	101	2.00	0.324	
Toluene*	<0.050	0.050	06/10/2022	ND	2.12	106	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	2.01	100	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/10/2022	ND	6.00	100	6.00	1.41	
Total BTEX	<0.300	0.300	06/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (R1D) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32	16.0	06/10/2022	ND	448	112	400	3.51	

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C28*	<10.0	10.0	06/10/2022	ND	209	104	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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* = Accredited Analyte

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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received: 06/10/2022
Reported: 06/14/2022
Project Name: MESQUITE UPSTREAM (M.B.U.)
Project Number: NONE GIVEN
Project Location: DEVON - LEA CO NM

Sampling Date: 06/09/22
Sample Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: EAST WALL # 3 (H222477-03)

BTEX 80218		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2022	ND	2.02	101	2.00	0.324	
Toluene*	<0.050	0.050	06/10/2022	ND	2.12	106	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	2.01	100	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/10/2022	ND	6.00	100	6.00	1.41	
Total BTEX	<0.300	0.300	06/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32	16.0	06/10/2022	ND	448	112	400	3.51	

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C26*	<10.0	10.0	06/10/2022	ND	209	104	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received: 06/10/2022
Reported: 06/14/2022
Project Name: MESQUITE UPSTREAM (M.B.U)
Project Number: NONE GIVEN
Project Location: DEVON - LEA CO NM

Sampling Date: 06/09/22
Sample Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: NORTH WALL # 1 (H222477-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/10/2022	ND	2.02	101	2.00	0.324		
Toluene*	<0.050	0.050	06/10/2022	ND	2.12	106	2.00	1.61		
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	2.01	100	2.00	1.75		
Total Xylenes*	<0.150	0.150	06/10/2022	ND	6.00	100	6.00	1.41		
Total BTEX	<0.300	0.300	06/10/2022	ND						
Surrogate: 4-Bromofluorobenzene (PBD)										
	103 %	69.9-140								
Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	15.0	06/10/2022	ND	448	112	400	3.51		
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	06/10/2022	ND	207	104	200	0.727		
DRO >C10-C28*	<10.0	10.0	06/10/2022	ND	209	104	200	3.58		
EXT DRO >C28-C36	<10.0	10.0	06/10/2022	ND						
Surrogate: 1-Chlorooctane										
	102 %	66.9-136								
Surrogate: 1-Chlorooctadecane										
	103 %	59.5-142								

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received:	06/10/2022	Sampling Date:	06/09/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	MESQUITE BOOSTER UPSTREAM (M.B.U)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO NM		

Sample ID: NORTH WALL # 2 (H222477-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2022	ND	2.02	101	2.00	0.324	
Toluene*	<0.050	0.050	06/10/2022	ND	2.12	106	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	2.01	100	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/10/2022	ND	6.00	100	6.00	1.41	
Total BTEX	<0.300	0.300	06/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (FID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/10/2022	ND	448	112	400	3.51	

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C26*	<10.0	10.0	06/10/2022	ND	209	104	200	3.58	
EXT DRO >C26-C36	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received: 06/10/2022
Reported: 06/14/2022
Project Name: MESQUITE UPSTREAM (M.B.U)
Project Number: NONE GIVEN
Project Location: DEVON - LEA CO NM

Sampling Date: 06/09/22
Sample Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WEST WALL # 1 (H222477-06)

BTEX 80218		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2022	ND	2.02	101	2.00	0.324	
Toluene*	<0.050	0.050	06/10/2022	ND	2.12	106	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	2.01	100	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/10/2022	ND	6.00	100	6.00	1.41	
Total BTEX	<0.300	0.300	06/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PD) 103 % 69.9-140

Chloride, 5M4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16	16.0	06/10/2022	ND	448	112	400	3.51	
TPH 8015M		mg/kg		Analyzed By: MS					

GRO C6-C10*	<10.0	10.0	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C28*	<10.0	10.0	06/10/2022	ND	209	104	200	3.58	
EXTDRO >C28-C36	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received: 06/10/2022
Reported: 06/14/2022
Project Name: MESQUITE UPSTREAM (M.B.U)
Project Number: NONE GIVEN
Project Location: DEVON - LEA CO NM

Sampling Date: 06/09/22
Sample Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WEST WALL # 2 (H222477-07)

BTEX 80218		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2022	ND	2.02	101	2.00	0.324	
Toluene*	<0.050	0.050	06/10/2022	ND	2.12	106	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	2.01	100	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/10/2022	ND	6.00	100	6.00	1.41	
Total BTEX	<0.300	0.300	06/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, 5M4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32	16.0	06/10/2022	ND	448	112	400	3.51		

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C28*	<10.0	10.0	06/10/2022	ND	209	104	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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*Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received: 06/10/2022
Reported: 06/14/2022
Project Name: MESQUITE UPSTREAM (M.B.U)
Project Number: NONE GIVEN
Project Location: DEVON - LEA CO NM

Sampling Date: 06/09/22
Sample Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: WEST WALL # 3 (H222477-08)

BTEX 0021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2022	ND	2.02	101	2.00	0.324	
Toluene*	<0.050	0.050	06/10/2022	ND	2.12	106	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	2.01	100	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/10/2022	ND	6.00	100	6.00	1.41	
Total BTEX	<0.300	0.300	06/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 1.03 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16	16.0	06/10/2022	ND	448	112	400	3.51	

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C28*	<10.0	10.0	06/10/2022	ND	209	104	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 1.02 % 66.9-136

Surrogate: 1-Chlorooctadecane 1.03 % 59.5-142

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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received: 06/10/2022
Reported: 06/14/2022
Project Name: MESQUITE UPSTREAM (M.B.U)
Project Number: NONE GIVEN
Project Location: DEVON - LEA CO NM

Sampling Date: 06/09/22
Sample Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SOUTH WALL # 1 (H222477-09)

BTEX 8021B		mg/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2022	ND	2.02	101	2.00	0.324	
Toluene*	<0.050	0.050	06/10/2022	ND	2.12	106	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	2.01	100	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/10/2022	ND	6.00	100	6.00	1.41	
Total BTEX	<0.300	0.300	06/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (RID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32	16.0	06/10/2022	ND	448	112	400	3.51	

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C28*	<10.0	10.0	06/10/2022	ND	209	104	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received:	06/10/2022	Sampling Date:	06/09/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	MESQUITE BOOSTER UPSTREAM (M.B.U)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO NM		

Sample ID: SOUTH WALL # 2 (H222477-10)

BTEX 80218		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2022	ND	2.02	101	2.00	0.324	
Toluene*	<0.050	0.050	06/10/2022	ND	2.12	106	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	2.01	100	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/10/2022	ND	6.00	100	6.00	1.41	
Total BTEX	<0.300	0.300	06/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (P.D) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48	16.0	06/10/2022	ND	448	112	400	3.51	

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C28*	<10.0	10.0	06/10/2022	ND	209	104	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received: 06/10/2022
Reported: 06/14/2022
Project Name: MESQUITE UPSTREAM (M.B.U)
Project Number: NONE GIVEN
Project Location: DEVON - LEA CO NM

Sampling Date: 06/09/22
Sample Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SOUTH WALL # 3 (H222477-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2022	ND	2.02	101	2.00	0.324	
Toluene*	<0.050	0.050	06/10/2022	ND	2.12	106	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	2.01	100	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/10/2022	ND	6.00	100	6.00	1.41	
Total BTEX	<0.300	0.300	06/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48	16.0	06/10/2022	ND	448	112	400	3.51	

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C28*	<10.0	10.0	06/10/2022	ND	209	104	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received:	06/10/2022	Sampling Date:	06/09/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	MESQUITE BOOSTER UPSTREAM (M.B.U)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO NM		

Sample ID: FLOOR 1 @ 6' (H222477-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2022	ND	2.02	101	2.00	0.324	
Toluene*	<0.050	0.050	06/10/2022	ND	2.12	106	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	2.01	100	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/10/2022	ND	6.00	100	6.00	1.41	
Total BTEX	<0.300	0.300	06/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PBD) 104 % 69.9-140

Chloride, 5M4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	06/10/2022	ND	448	112	400	3.51	

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C28*	<10.0	10.0	06/10/2022	ND	209	104	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received:	06/10/2022	Sampling Date:	06/09/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	MESQUITE BOOSTER UPSTREAM (M.B.U)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO NM		

Sample ID: FLOOR 2 @ 6' (H222477-13)

BTEX 80218		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2022	ND	2.02	101	2.00	0.324	
Toluene*	<0.050	0.050	06/10/2022	ND	2.12	106	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	2.01	100	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/10/2022	ND	6.00	100	6.00	1.41	
Total BTEX	<0.300	0.300	06/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (FD) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: JC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	06/10/2022	ND	448	112	400	3.51	

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C28*	<10.0	10.0	06/10/2022	ND	209	104	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received:	06/10/2022	Sampling Date:	06/09/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	MESQUITE BOOSTER UPSTREAM (M.B.U)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO NM		

Sample ID: FLOOR 3 @ 6' (H222477-14)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2022	ND	2.02	101	2.00	0.324	
Toluene*	<0.050	0.050	06/10/2022	ND	2.12	106	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	2.01	100	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/10/2022	ND	6.00	100	6.00	1.41	
Total BTX	<0.300	0.300	06/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	06/10/2022	ND	448	112	400	3.51	

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C28*	12.6	10.0	06/10/2022	ND	209	104	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chloroadecane 111 % 59.5-142

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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received:	06/10/2022	Sampling Date:	06/09/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	MESQUITE BOOSTER UPSTREAM (M.B.U)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO NM		

Sample ID: FLOOR 4 @ 6' (H222477-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2022	ND	2.02	101	2.00	0.324	
Toluene*	<0.050	0.050	06/10/2022	ND	2.12	106	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	2.01	100	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/10/2022	ND	6.00	100	6.00	1.41	
Total BTEX	<0.300	0.300	06/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (TID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	06/10/2022	ND	448	112	400	3.51	

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C28*	<10.0	10.0	06/10/2022	ND	209	104	200	3.58	
EXTDRO >C28-C36	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 117 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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Page 16 of 29



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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received:	06/10/2022	Sampling Date:	06/09/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	MESQUITE BOOSTER UPSTREAM (M.B.U)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO NM		

Sample ID: FLOOR 5 @ 4' (H222477-16)

BTEX 8021B		mg/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2022	ND	2.02	101	2.00	0.324	
Toluene*	<0.050	0.050	06/10/2022	ND	2.12	106	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	2.01	100	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/10/2022	ND	6.00	100	6.00	1.41	
Total BTEX	<0.300	0.300	06/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (P.D) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	06/10/2022	ND	448	112	400	3.51	

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C28*	<10.0	10.0	06/10/2022	ND	209	104	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received:	06/10/2022	Sampling Date:	06/09/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	MESQUITE BOOSTER UPSTREAM (M.B.U)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO NM		

Sample ID: FLOOR 6 @ 4' (H222477-17)

BTEX 80218		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2022	ND	2.02	101	2.00	0.324	
Toluene*	<0.050	0.050	06/10/2022	ND	2.12	106	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	2.01	100	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/10/2022	ND	6.00	100	6.00	1.41	
Total BTEX	<0.300	0.300	06/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PD) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5440	16.0	06/10/2022	ND	448	112	400	3.51	

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C28*	<10.0	10.0	06/10/2022	ND	209	104	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 92.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.4 % 59.5-142

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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received:	06/10/2022	Sampling Date:	06/09/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	MESQUITE BOOSTER UPSTREAM (M.B.U)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO NM		

Sample ID: FLOOR 7 @ 4' (H222477-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2022	ND	2.02	101	2.00	0.324	
Toluene*	<0.050	0.050	06/11/2022	ND	2.12	106	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/11/2022	ND	2.01	100	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/11/2022	ND	6.00	100	6.00	1.41	
Total BTEX	<0.300	0.300	06/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (FID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	40000	16.0	06/10/2022	ND	448	112	400	3.51	

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C28*	<10.0	10.0	06/10/2022	ND	209	104	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received:	06/10/2022	Sampling Date:	06/09/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	MESQUITE BOOSTER UPSTREAM (M.B.U)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO NM		

Sample ID: FLOOR 8 @ 4' (H222477-19)

BTEX 80218		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2022	ND	2.02	101	2.00	0.324	
Toluene*	<0.050	0.050	06/11/2022	ND	2.12	106	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/11/2022	ND	2.01	100	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/11/2022	ND	6.00	100	6.00	1.41	
Total BTEX	<0.300	0.300	06/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (P1D) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	44000	16.0	06/10/2022	ND	448	112	400	3.51	

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C28*	<10.0	10.0	06/10/2022	ND	209	104	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 119 % 66.9-136

Surrogate: 1-Chlorooctadecane 120 % 59.5-142

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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received:	06/10/2022	Sampling Date:	06/09/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	MESQUITE BOOSTER UPSTREAM (M.B.U)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO NM		

Sample ID: FLOOR 9 @ 4' (H222477-20)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2022	ND	2.20	110	2.00	7.76	
Toluene*	<0.050	0.050	06/11/2022	ND	2.17	109	2.00	7.70	
Ethylbenzene*	<0.050	0.050	06/11/2022	ND	2.09	105	2.00	7.87	
Total Xylenes*	<0.150	0.150	06/11/2022	ND	6.54	109	6.00	7.91	
Total BTEX	<0.300	0.300	06/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (FID) 96.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5330	16.0	06/10/2022	ND	448	112	400	3.51	

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C28*	<10.0	10.0	06/10/2022	ND	209	104	200	3.58	
EXT DRO >C29-C36	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chloroadecane 107 % 59.5-142

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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received:	06/10/2022	Sampling Date:	06/09/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	MESQUITE BOOSTER UPSTREAM (M.B.U)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO NM		

Sample ID: FLOOR 10 @ 4' (H222477-21)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2022	ND	2.20	110	2.00	7.76	
Toluene*	<0.050	0.050	06/11/2022	ND	2.17	109	2.00	7.70	
Ethylbenzene*	<0.050	0.050	06/11/2022	ND	2.09	105	2.00	7.87	
Total Xylenes*	<0.150	0.150	06/11/2022	ND	6.54	109	6.00	7.91	
Total BTEX	<0.300	0.300	06/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	06/10/2022	ND	448	112	400	3.51	

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C28*	142	10.0	06/10/2022	ND	209	104	200	3.58	
EXT DRO >C28-C36	46.2	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 114 % 66.9-136

Surrogate: 1-Chlorooctadecane 120 % 59.5-142

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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received:	06/10/2022	Sampling Date:	06/09/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	MESQUITE BOOSTER UPSTREAM (M.B.U)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO NM		

Sample ID: FLOOR 11 @ 4' (H222477-22)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2022	ND	2.20	110	2.00	7.76	
Toluene*	<0.050	0.050	06/11/2022	ND	2.17	109	2.00	7.70	
Ethylbenzene*	<0.050	0.050	06/11/2022	ND	2.09	105	2.00	7.87	
Total Xylenes*	<0.150	0.150	06/11/2022	ND	6.54	109	6.00	7.91	
Total BTEX	<0.300	0.300	06/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/10/2022	ND	448	112	400	3.51	

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C28*	143	10.0	06/10/2022	ND	209	104	200	3.58	
EXT DRO >C28-C36	54.8	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 120 % 66.9-136

Surrogate: 1-Chlorooctadecane 130 % 59.5-142

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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received:	06/10/2022	Sampling Date:	06/09/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	MESQUITE BOOSTER UPSTREAM (M.B.U)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO NM		

Sample ID: FLOOR 12 @ 4' (H222477-23)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/11/2022	ND	2.20	110	2.00	7.76	
Toluene*	<0.050	0.050	06/11/2022	ND	2.17	109	2.00	7.70	
Ethylbenzene*	<0.050	0.050	06/11/2022	ND	2.09	105	2.00	7.87	
Total Xylenes*	<0.150	0.150	06/11/2022	ND	6.54	109	6.00	7.91	
Total BTEX	<0.300	0.300	06/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (FID) 96.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6400	16.0	06/10/2022	ND	448	112	400	3.51	

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C28*	<10.0	10.0	06/10/2022	ND	209	104	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 123 % 66.9-136

Surrogate: 1-Chlorooctadecane 124 % 59.5-142

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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received:	06/10/2022	Sampling Date:	06/09/2022
Reported:	06/14/2022	Sampling Type:	Soil
Project Name:	MESQUITE BOOSTER UPSTREAM (M.B.U)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO NM		

Sample ID: FLOOR 13 @ 4' (H222477-24)

BTEX 80218		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/11/2022	ND	2.20	110	2.00	7.76		
Toluene*	<0.050	0.050	06/11/2022	ND	2.17	109	2.00	7.70		
Ethylbenzene*	<0.050	0.050	06/11/2022	ND	2.09	105	2.00	7.87		
Total Xylenes*	<0.150	0.150	06/11/2022	ND	6.54	109	6.00	7.91		
Total BTEX	<0.300	0.300	06/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (BID) 98.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1100	16.0	06/10/2022	ND	448	112	400	3.51		

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C28*	<10.0	10.0	06/10/2022	ND	209	104	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 117 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
***	Samples not received at proper temperature of 6°C or below.
****	Insufficient time to reach temperature.
-	Chloride by SM500C-B does not require samples be received at or below 6°C. Samples reported on an as received basis (wet) unless otherwise noted on report.

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Page 26 of 29



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Devon Energy Caprock Services</u> Project Manager: <u>Matt Taylor</u> Address: <u>PO 896, Lovington, NM 88260</u> Phone #: <u>575-408-3638</u> Fax #: <u></u> Project Owner: <u>Devon Energy</u> Project Name: <u>Mesquite Booster Upstream (M.B.U)</u> Project Location: <u>Lea Co. NM</u> Sampler Name: <u>Matt Taylor</u>		BILL TO P.O. #: <u>21610659</u> Company: <u>Devon Energy</u> 6488 Seven Rivers HWY Artesia NM 88210 Attn: <u>Dale Woodall</u>		ANALYSIS REQUEST	
Lab I.D. <u>7</u> <u>6/10/22</u>		Sample I.D. <u>1</u> <u>East Well #1</u> <u>2</u> <u>East Well #2</u> <u>3</u> <u>East Well #3</u> <u>4</u> <u>North Well #1</u> <u>5</u> <u>North Well #2</u> <u>6</u> <u>West Well #1</u> <u>7</u> <u>West Well #2</u> <u>8</u> <u>West Well #3</u> <u>9</u> <u>South Well #1</u> <u>10</u> <u>South Well #2</u>		TPH 8015 M. Ext (New Mexico) Chloride BTEX 8021 TPH TX 1005	
FOR LAB USE ONLY		MATRIX <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER : ACID/BASE: <input type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER :		PRESERV SAMPLING	
DATE TIME		DATE TIME		DATE TIME	
6/9/22 8:30 6/9/22 8:32 6/9/22 8:34 6/9/22 8:40 6/9/22 8:42 6/9/22 8:44 6/9/22 8:46 6/9/22 8:48 6/9/22 8:50 6/9/22 8:52		6/9/22 8:30 6/9/22 8:32 6/9/22 8:34 6/9/22 8:40 6/9/22 8:42 6/9/22 8:44 6/9/22 8:46 6/9/22 8:48 6/9/22 8:50 6/9/22 8:52		6/9/22 8:30 6/9/22 8:32 6/9/22 8:34 6/9/22 8:40 6/9/22 8:42 6/9/22 8:44 6/9/22 8:46 6/9/22 8:48 6/9/22 8:50 6/9/22 8:52	
PL/ELAS NOTE: Liability and Compliance Cardholder's liability and client's exclusive remedy for any claim arising under or from this contract shall be determined by the client for the analyses. All claims, including those for negligence and any other causes whatsoever shall be deemed waived by the client. Business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal Laboratories shall be deemed waived by the client.		RECEIVED BY: <u>Matt Taylor</u> DATE: <u>6/10/22</u> TIME: <u>7:12</u>		RECEIVED BY: <u>Matt Taylor</u> DATE: <u>6/10/22</u> TIME: <u>7:12</u>	
DELIVERED BY: <u>(Circle One)</u> -12.02 C.O.S. -12.52 C.O.S. -12.52 C.O.S.		CHECKED BY: <u>(Initials)</u> [Signature]		REMARKS: Caprock Services SE @ Gmail.com dale.woodall@devon.com	

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Devon Energy		BILL TO		ANALYSIS REQUEST	
Project Manager: Matt Taylor		P.O. #: 21010659			
Address: PO 896, Lovington, NM 88260		Company: Devon Energy			
Phone #: 575-408-3638 Fax #: 575-408-3638		6488 Seven Rivers HWY Artesia NM 88210			
Project Owner: Devon Energy		Attn: Date Woodall			
Project Name: Mesquite Booster Upstream (M.B.U)					
Project Location: Lea Co, NM					
Sampler Name: Matt Taylor					

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH 8015 M. Ext (New Mexico)	Chloride	BTEX 8021	TPH TX 1005	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:							ICE / COOL
H222477																	
21	Floor 10 @ 4'	C 1	1	X							6/9/22	9:45	X	X			
22	Floor 11 @ 4'	C 1	1	X							6/9/22	9:50	X	X			
23	Floor 12 @ 4'	C 1	1	X							6/9/22	9:55	X	X			
24	Floor 13 @ 4'	C 1	1	X							6/9/22	10:00	X	X			

Relinquished By: <i>MLT</i>		Date: 6/10/22	Received By: <i>Yvonne Delgado</i>
Relinquished By: <i>MLT</i>		Date: 9/17	Received By: <i>Yvonne Delgado</i>
Delivered By: (Circle One) -13.0°C 20.5°C		Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other: -12.5°C #113		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	YD

REMARKS: Caprock Services 56@gmail.com

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

June 21, 2022

MATT TAYLOR

CAPROCK SERVICES

P.O. BOX 457

LOVINGTON, NM 88260

RE: MESQUITE BOOSTER UPSTREAM (M.B.U.)

Enclosed are the results of analyses for samples received by the laboratory on 06/17/22 8:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received:	06/17/2022	Sampling Date:	06/16/2022
Reported:	06/21/2022	Sampling Type:	Soil
Project Name:	MESQUITE BOOSTER UPSTREAM (M.B.U)	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - LEA CO NM		

Sample ID: FLOOR # 7 @ 5' (H222587-01)

BTEX 80218		mg/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2022	ND	2.02	101	2.00	0.324	
Toluene*	<0.050	0.050	06/10/2022	ND	2.12	106	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	2.01	100	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/10/2022	ND	6.00	100	6.00	1.41	
Total BTEX	<0.300	0.300	06/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3720	16.0	06/10/2022	ND	448	112	400	3.51	

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C28*	<10.0	10.0	06/10/2022	ND	209	104	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CAPROCK SERVICES
MATT TAYLOR
P.O. BOX 457
LOVINGTON NM, 88260
Fax To:

Received: 06/17/2022
Reported: 06/21/2022
Project Name: MESQUITE UPSTREAM (M.B.U.)
Project Number: NONE GIVEN
Project Location: DEVON - LEA CO NM

Sampling Date: 06/16/22
Sample Type: Soil
Sampling Condition: **(See Notes)
Sample Received By: Tamara Oldaker

Sample ID: FLOOR # 8 @ 5' (H222587-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2022	ND	2.02	101	2.00	0.324	
Toluene*	<0.050	0.050	06/10/2022	ND	2.12	106	2.00	1.61	
Ethylbenzene*	<0.050	0.050	06/10/2022	ND	2.01	100	2.00	1.75	
Total Xylenes*	<0.150	0.150	06/10/2022	ND	6.00	100	6.00	1.41	
Total BTEX	<0.300	0.300	06/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, 5M4500C1-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	06/10/2022	ND	448	112	400	3.51	

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	06/10/2022	ND	207	104	200	0.727	
DRO >C10-C25*	<10.0	10.0	06/10/2022	ND	209	104	200	3.58	
EXT DRO >C25-C35	<10.0	10.0	06/10/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

Page 5 of 5



Figure 1 View of east side of release looking north west.



Figure 2 View looking west towards release point.



Figure 3 View of release point looking north.

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	NAPP2205655153
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Dale Woodall	Contact Telephone 405-318-4697
Contact email dale.woodall@dvn.com	Incident # (assigned by OCD)
Contact mailing address 6488 Seven Rivers HWY Artesia NM 88210	

Location of Release Source

Latitude 32.25527778 Longitude -103.5738889
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Mesquite Booster @ 33 Connection	Site Type
Date Release Discovered 2/25/22	API# (if applicable)

Unit Letter	Section	Township	Range	County
O	33	23S	33E	LEA

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 12.6 bbls	Volume Recovered (bbls) 9 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release Equipment Failure		

Form C-141

Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2205655153
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? 	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why: Spill was not in lined containment.
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: _____ Title: _____ Signature: _____ Date: _____ email: _____ Telephone: _____
<u>OCD Only</u> Received by: _____ Date: _____

Form C-141

Page 3

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2205655153
District RP	
Facility ID	
Application ID	

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u> >55 </u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141

Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2205655153
District RP	
Facility ID	
Application ID	

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

Printed Name: DALE WOODALL Title: ENV. PROFESSIONALSignature: Dale Woodall Date: 8/11/2022email: DALE.WOODALL@DVN.COM Telephone: 575-748-1838**OCD Only**

Received by: _____ Date: _____

Form C-141

Page 5

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2205655153
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: DALE WOODALL Title: ENV. PROFESSIONALSignature: Dale Woodall Date: 8/11/2022email: DALE.WOODALL@DVN.COM Telephone: 575-748-1838**OCD Only**

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Form C-141

Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2205655153
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 OCD 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: 8/11/2022
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
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2205855153
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Devon Energy Production Company	OGRID	6137
Contact Name	Dale Woodall	Contact Telephone	
Contact email	Dale.Woodall@dm.com	Incident # (assigned by OCD)	
Contact mailing address	6488 Seven Rivers Hwy Artesia, NM 88210		

Location of Release Source

Latitude 32.25527778 Longitude -103.5738889
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Mesquite Booster @ Thistle 33 Connection	Site Type	Oil
Date Release Discovered	02/25/2022	API# (if applicable)	

Unit Letter	Section	Township	Range	County
O	33	23S	33E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 12.6 BBLS	Volume Recovered (bbls) 9 BBLS
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Equipment failure.

Form C-141

Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2205655153
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? 	

Initial Response

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

- ☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Spill was not in lined containment.

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

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

Printed Name: Kendra DeHoyos Title: EHS Associate
 Signature: Kendra DeHoyos Date: 3/11/2022
 email: Kendra.Ruiz@dvn.com Telephone: 575-748-0167

OCD Only

Received by: Jocelyn Harimon Date: 03/14/2022

NAPP2205655153

Spill Volume(Bbls) Calculator		
<i>Inputs in blue, Outputs in red</i>		
Contaminated Soil measurement		
Length(Ft)	Width(Ft)	Depth(Ft)
<u>9.6</u>	<u>10.000</u>	<u>0.667</u>
Cubic Feet of Soil Impacted		<u>64.032</u>
Barrels of Soil Impacted		<u>11.41</u>
Soil Type		Clay
Barrels of Oil Assuming 100% Saturation		<u>1.14</u>
Saturation	Damp no fluid when squeezed	
Estimated Barrels of Oil Released		<u>0.11</u>
Free Standing Fluid Only		
Length(Ft)	Width(Ft)	Depth(Ft)
<u>9.6</u>	<u>10.000</u>	<u>0.667</u>
Standing fluid		<u>11.389</u>
Total fluids spilled		<u>12.530</u>

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 146010

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 146010
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Going forward, please provide photos of a release post excavation but pre backfill in the closure report per 19.15.29.12.E.(1)(b) NMAC.	9/27/2022