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	nAPP2212637790
District RP	
Facility ID	
Application ID	

# **Release Notification**

# **Responsible Party**

Responsible Party	Devon Energy Production Company	OGRID 6137
Contact Name	Dale Woodall	Contact Telephone 575-318-4697
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 32.2558333

Longitude \_\_-103.5786111 (NAD 83 in decimal degrees to 5 decimal places)

Site Name Mesquite Booster Delivery Station	Site Type
Date Release Discovered 05/06/2022	API# (if applicable)

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

Surface Owner: State X 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)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
X Produced Water	Volume Released (bbls) 30	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

At the Mesquite Water Delivery Station, line sprang a leak after over pressured. Estimated that 30 bbls of produced water were released. Shut in and isolated incoming and outgoing line to eliminate spill. Release was not on a pad. Release was offsite.

# .

m C-141	2 2:57:17 PM State of New Mexico	Incident ID	<u>Page 2 oj</u> nAPP2212637790
2	Oil Conservation Division	District RP	
		Facility ID	
		Application ID	
Was this a major elease as defined by 9.15.29.7(A) NMAC? x Yes No	If YES, for what reason(s) does the responsible par Over 25 bbls	ty consider this a major release?	
	otice given to the OCD? By whom? To whom? Whordero, 05/06/2022, telephone	en and by what means (phone, e	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

 $\mathbf{X}$  The source of the release has been stopped.

x The impacted area has been secured to protect human health and the environment.

X 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:

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:
OCD Only	
Received by:	Date:

**Received by OCD: 11/1/2022 2:57:17 PM** Form C-141 State of New Mexico

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# Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>&gt;50'</u> (ft bgs)
Did this release impact groundwater or surface water?	Yes X No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🕱 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)?	🗌 Yes 🕱 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🕱 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?	🗌 Yes 🕱 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes X No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🕱 No
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No
Are the lateral extents of the release overlying a subsurface mine?	Yes X No
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes X No
Are the lateral extents of the release within a 100-year floodplain?	Yes 🗴 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	🕱 Yes 🗌 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
- X Data table of soil contaminant concentration data
- X Depth to water determination
- $\mathbf{x}$  Determination of water sources and significant watercourses within  $\frac{1}{2}$ -mile of the lateral extents of the release
- Boring or excavation logs
- X Photographs including date and GIS information
- x Topographic/Aerial maps
- x 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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			Incident ID	nAPP2212637790
Page 4	Oil Conservation Division	n	District RP	
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regulations all operators a public health or the enviro failed to adequately inves	Voodall	otifications and perform c e OCD does not relieve th hreat to groundwater, surf	corrective actions for rel- e operator of liability sh ace water, human health bliance with any other fe sional	eases which may endanger nould their operations have n or the environment. In
OCD Only Received by: Joce	elyn Harimon	Date:11/(	01/2022	

Received by OCD: 11/1/2022 2:57:17 PM State of New Mexico

Oil Conservation Division

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

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# **Remediation Plan**

x 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 X 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. Professional Signature. Dale Woodall Date: 11/1/2022 email: dale.woodall@dvn.com Telephone: 575-748-1838 **OCD Only** Jocelyn Harimon 11/01/2022 Received by: Date: Deferral Approved Approved Approved with Attached Conditions of Approval Denied Date: 11/17/2022 ennifer Nobui Signature:

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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 ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_ Signature: Date: Telephone: email: **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

Closure Approved by:	Date:
Printed Name:	Title:

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party of compliance with any other federal, state, or local laws and/or regulations.



**NMOCD** Represenative

Re: Site Assessment Report and Proposed Remediation Plan Site Name: Mesquite Booster Delivery Station GPS: Latitude: 32.2558333 Longitude: -103.578611 Legals: UL N, Sec. 33, T23SS, R33EE Lea County, New Mexico NMOCD Ref. No.

Caprock Services, LLC (Caprock), on behalf of Devon Energy, has prepared this Site Assessment Report and Proposed Remediation Plan for the Release Site known as the Mesquite Booster Delivery Station. Details of the release are summarized on the table below:

	Nature and \	/olume of Release					
Date Release Discovered	5/6/2022	Source of Release	Pipeline				
Type of Release	Produced Water	Volume Released (bbls)	30 BBLS				
Type of Release	Flouded water	Volume Recovered (bbls)	0				
	ery Station, line sprang a leak after o g and outgoing line to eliminate spill.	•	•				
Affected Area Appoximatley 8,129 square fo	eet.						
Was this a major release?	If YES, for what reasons (s) is this	considered a major release?					
yes	Over 25 BBLS						
If Yes, was immediate notice	given to the OCD? By whom? To whether the other of the other	hom? When and by what means?					

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J S T	Facility ID	
Services	Application ID	

Site Assessment/Characterization				
What is the shallowest depth to groundwater beneath the area affected by the release?	>50'			
Did this release impact groundwater or surface water?	No			
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	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)?	No			
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	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?	No			
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	No			
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	No			
Are the lateral extents of the release within 300 feet of a wetland?	No			
Are the lateral extents of the release overlying a subsurface mine?	No			
Are the lateral extents of the release overlying an unstable area such as karst geology?	No			
Are the lateral extents of the release within a 100-year floodplain?	No			
Did the release impact areas <b>not</b> on an exploration, development, production or storage site?	Yes			

A search of ground water databases maintained by the New Mexico Office of the State Engineer(NMOSE) and United States Geological Survey was conducted in an effort to determine the average depth to ground water within a 1 Mile radius of the Site and identify any registered water wells within a 1/2 Mile radius of the Site. A search of the NMOSE data base suggested the presence of 1 water well(C-4594-Pod1) within a 1/2 mile radius of the site. A field survey indicated available geographic information for C-4595-POD1 was drilled to a depth of 55' resulting in a dry well and was plugged. A search of the USGS database did not identify any water wells within a 1/2 Mile radius.

Based on the volume and nature of the release, inferred depth to groundwater and NMOCD Siting Criteria, the NMOCD Closure Criteria for the Site is as follows:

Closure Criteria for Soil Impacted by a Release						
Benzene	10 mg/kg					
Benzene, Toluene, Ethylbenzene and Total Xylenes (BTEX)	50 mg/kg					
Total Petroleum Hydrocarbons	2500 mg/kg					
Combined GRO and DRO	1000 mg/kg					
Chloride	10000 mg/kg					

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted on Figures 1 & 2.



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### **INITIAL SITE ASSESSMENT**

On May 16, 2022, Caprock proceeded to location to conduct a site evaluation and preform a sampling event. Discrete soil samples were collected within the impacted area utilizing a hand augur to determine vertical and horizontal extent of the release. Caprock collected twenty (20) samples at ten (10) different points of the affected area. Samples were jarred (in new clean and sterile sample jars) placed on ice, created a chain of custody (COC) and delivered to Cardinal Laboratories an approved New Mexico laboratory for analytical results.

A table summarizing laboratory analytical results from soil samples collected during the initial site assessment is provided below:

Concentrations of BTEX, TPH and/or Chloride in Soil - Initial Assessment(s)												
				SW 846	5 8021B		SW 846 8015M Ext.					
Sample ID	Date	Depth	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)	
SP 1 @ 1'	5/16/22	1	In-Situ	<0.050	<0.300	<100	<10.0	<10.0	<10.0	<10.0	336	
SP 1 @ 4'	5/16/22	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0	
SP2 @ 1'	5/16/22	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	436	
SP2 @ 4'	5/16/22	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
SP3 @ 1'	5/16/22	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,360	
SP3 @ 4'	5/16/22	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160.0	
SP4 @ 1'	5/16/22	1'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,150.0	
SP4 @ 4'	5/16/22	4'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0	
SP5 @ 1'	5/16/22	1'	In-Situ	<0.050	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,640.0	
SP 5 @ 4'	5/16/22	4'	In-Situ	<0.050	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,420.0	
SP 6 @ 1'	5/16/22	1'	In-Situ	<0.050	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,240.0	
SP 6 @ 4'	5/16/22	4'	In-Situ	<0.050	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	120.0	
SP 7 @ 1'	5/16/22	1'	In-Situ	<0.050	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,200.0	
SP 7 @ 4'	5/16/22	4'	In-Situ	<0.050	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,560.0	
SP 8 @ 1'	5/16/22	1'	In-Situ	<0.050	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,400.0	
SP 8 @ 4'	5/16/22	4'	In-Situ	<0.050	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,120.0	
SP 9 @ 1'	5/16/22	1'	In-Situ	<0.050	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,400.0	
SP 9 @ 4'	5/16/22	4'	In-Situ	<0.050	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	192.0	
SP10 @ 1'	5/16/22	1'	In-Situ	<0.050	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,360	
SP10 @ 4'	5/16/22	4'	In-Situ	<0.050	<.300	<10.0	<10.0	<10.0	<10.0	<10.0	112.0	
Closure Criteria				10	50	-	-	1,000	-	2,500	10,000	

A "Site & Sample Location Map" is provided as Attachment #3. Field Data, if applicable, is provided as Attachment #7. Laboratory analytical reports are provided as Attachment #6.



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### PROPOSED REMEDIATION PLAN

Based on field observations made during the initial site assessment, Caprock Services proposes the following remediation activities designed to advance the Site toward an approved closure status.

•Utilizing mechanical equipment, excavate impacted soil within the release margins in the area characterized by figure #1, until laboratory analytical results from confirmation soil samples indicate concentrations of BTEX, TPH and chloride are below the NMOCD Closure Criteria.

•Excavation sidewalls will be advanced horizontally until laboratory analytical results from confirmation soil samples indicate BTEX, TPH and chloride concentrations are below the NMOCD Closure Criteria.

• Excavation depth will advance vertically until laboratory analyitcal results from confirmation soil samlples indicate BTEX, TPH, and chloride conentrations are below the NMOCD Closure Criteria.

• Excavated soil will be temporarily stockpiled on-site, pending transportation under manifest to an NMOCD-approved disposal facility.

• Upon receiving favorable laboratory analytical results from confirmation soil samples (below the NMOCD Closure Criteria) excavated areas will be backfilled with locally sourced, non-impacted "like" material. Excavation backfill will be placed at or near original relative positions. The affected area will be contoured and/or compacted to achieve erosion control, stability and preservation of surface water flow to the extent practicable.

### SAMPLING PLAN

Upon completion of excavation activities, representative 5-point composite soil samples at a frequency of every 200 square feet from the sidewalls and floor of the excavation to confirm that impacted soil is removed to below the reclamation standard and/or Closure Criteria. Additional, "discrete" confirmation soil samples will be collected from wet or visibly stained areas inferred to have been affected by the release.

### TIMELINE AND ESTIMATED VOLUME OF SOIL TO BE REMEDIATED

Remediation activities are expected to be completed **within 90 days** of receiving necessary approval(s) of this Site Assessment Summary and Proposed Remediation Plan. Based on site characteristics and field observations made during the initial site assessment it is estimated that approximately **1200 cubic yards** of soil has been affected above the NMOCD Closure Criteria.

•

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Services	Application ID	

### **RESTORATION, RECLAMATION AND RE-VEGETATION PLAN**

Areas affected by remediation and closure activities will be substantially restored to the condition that existed prior to the release, to the extent practicable. Excavated areas will be backfilled with locally sourced, non-impacted "like" material placed at or near original relative positions. The affected area will be 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 an agency and/or landowner-approved seed mixture during the first favorable growing season following closure of the site.

If you have any questions, or need any additional information, please feel free to contact Matt Taylor or the undersigned by phone or email.

Respectfully,

Matt Taylor Environmental Professional Caprock Services LLC, (575) 408-3638 Attachments: Attachment #1- Figure 1 - Topographic Map Attachment #2- Figure 2 - Aerial Map Attachment #3- Figure 3 - Site and Sample Location Map Attachment #4- Figure 4 - Photographic Log Attachment #5- Figure 5 - Ground Water Information Attachment #6- Figure 6 - Laboratory analytical results

### 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/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 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 has prepared this report to the best of its ability. No other warranty, expressed or implied, is made.



LEGEND:	Figure 1	
	Topographic Map	Caprock
• Site Location	Devon Energy	C
	Mesquite Booster Delivery Station	T S TR
	GPS: 32.2558333, -103.5786111	Services
	Lea County, New Mexico	Drafted by: MST Checked by: client Date: 10/18/2022

## **Released to Imaging: 11/17/2022 9:06:46 AM**

Received by OCD: 11/1/2022 2:57:17 PM



Released to Imaging: 11/17/2022 9:06:46 AM

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LEGEND:	Figure 3	Т
Sample Location	Site & Sample Location Map	Caprock
Confirmation Sample Location	Devon Energy	<b>∇C</b> ∕
Affected Area	Mesquite Booster Delivery Station	TS F
Excavated Area	GPS: 32.2558333, -103.5786111	Services
	Lea County, New Mexico	Drafted by: MST Checked by: client Date: 10/18/2022

## **Released to Imaging: 11/17/2022 9:06:46 AM**





### Figure 1



Figure 2

# **PHOTOGRAPHIC LOG**





Figure 3

# **PHOTOGRAPHIC LOG**



# Figure 5



Figure 6



04/01/2022

DII-NMOSE 1900 W 2<sup>nd</sup> 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,

Grow Middle

Lucas Middleton

Enclosures: as noted above

03E 3E 3PR 4 2022 M2303

2904 W 2nd St. Roswett, NM 86201 voice: 575.624.2420 fax: 575.624.2421 www.afkinseng.com



# WELL RECORD & LOG OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

z	OSE POD NO. POD 1 (TW		)		WELL TAG ID NO.			OSE F	TLE NO() 95	5).				
CATIO	WELL OWNER	R NAME(S)							E (OPT)	,				
SLLLO	WELL OWNER 6488 7 Riv	R MAILING	ADDRESS	14		_		CITY				TATE	88210	ZIP
GENERAL AND WELL LOCATION	WELL	LAT	DE	GREES MINUTES SECONDS 32 1.5 16.73 N										
1. GENER	(FROM GPS DESCRIPTIO SE SW SW	N RELATIN	NGITUDE RG WELL LOCATION TO T23S R33E	103 STREET ADDR	33 TESS AND COMMON	54.						E AVAI	LABLE	
_	LICENSE NO. 1249		NAME OF LICENSED		Jackie D. Atkins					A		oering A	MPANY Associates, I	
	DRILLING ST. 03/09/2		DRILLING ENDED 03/09/2022		MPLETED WELL (FT) wary well casing	,	BORE HO	±55				n/a		
N	COMPLETED	WELL 18;	ARTESIAN	DRY HOL	E SHALLOW	W (UNCO	NFINED)		STATIC IN COM (FT)	WATER LEV PLETED WEI	EL L dry		ATE STATIC 03/9/22,3	
DRILLING & CASING INFORMATION	DRILLING FL		ROTARY THAM					Hollow	Stem	Auger	CHECK H	ERE IF P	ITLESS ADAI	TER IS
INFOR	DEPTH (		BORE HOLE	CASING	MATERIAL AND	/OR		ASING		CAS	ING	CASD	G WALL	SLOT
ASING	FROM	FROM TO DIAM (inches) (i			(include each casing string, and T			NECTION I TYPE pling diameter)		INSIDE DIAM. T (inches)				SIZE (inches)
G & C	0	55	±6.5		Boring			-		-		-		-
BILLIN						_					_			
2. D		_				_								
								_						
											_	_		
	DEPTH (	feet bgl)	BORE HOLE		ST ANNULAR SE	AL MA	TERIAL	AND		AM	IOUNT	Τ	METHO	
ERIAL	FROM	TO	DIAM. (inches)	GRA	VEL PACK SIZE-	RANGE	BY INT	ERVAL	,	(cu	bic feet)	+	PLACEN	IENT
R MAT												+		
ANNULAR MATERIAL						_		-		0.007	or obs		10	, ,
3. AJ			-							and the best	WIL STOR		and an and a second	
	OSE INTERI	NAL USE									ECORD &	LOG (	/ersion 01/2	8/2022)
	ENO. CATION				POD NO.			WELL	TAGI				PAGE	1 OF 2

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DEPTH (feet bg/)         THICKNESS         COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES         WATER BEARING?         ESTIMUTE WATER (YES / NO)           0         4         4         Calicobe, with modium to fine grained, sud, white and Red         Y         / N           24         29         5         Sand, medium/ fine grained, poorty graded, tan         Y         / N           29         5         Sand, medium/ fine grained, poorty graded, Reddish Brown         Y         / N           29         5         Sand, medium/ fine grained, poorty graded, Reddish Brown         Y         / N           29         5         26         Sand, medium/ fine grained, poorty graded, with clay Reddish Brown         Y         / N           29         5         26         Sand, medium/ fine grained, poorty graded, with clay Reddish Brown         Y         / N           29         1         1         1         Y         N         1           20         1         1         1         Y         N         1           20         1         1         1         Y         N         1           21         1         1         1         1         Y         N         1           20	
Image: constraint of the second sec	RING
1         2         3         Sand, medium/ fine grained, poorly graded, Reddish Brown         Y         N           29         53         26         Sand, medium/ fine grained, poorly graded, with clay Reddish Brown         Y         N           29         53         26         Sand, medium/ fine grained, poorly graded, with clay Reddish Brown         Y         N           29         53         26         Sand, medium/ fine grained, poorly graded, with clay Reddish Brown         Y         N           29         53         26         Sand, medium/ fine grained, poorly graded, with clay Reddish Brown         Y         N           29         53         26         Sand, medium/ fine grained, poorly graded, with clay Reddish Brown         Y         N           20         27         N         Y         N         Y         N           20         2         2         3         X         N         Y         N           20         2         2         3         X         N         Y         N           20         2         2         3         X         N         Y         N           20         2         2         3         Y         N         Y         N	
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Y       N         Y	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:     Y N       METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:     TOTAL ESTIMATED       PUMP     AIR LIFT     BAILER       OTHER - SPECIFY:     WELL YIELD (gpm):       NETL TEST     TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:     TOTAL ESTIMATED       PUMP     Implement     Implement       Implement     Implement     Implement       Implement     TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:       TOTAL ESTIMATED         PUMP       AIR LIFT       BAILER       OTHER - SPECIFY:       WELL YIELD (gpm):       0,0         WELL YEST       TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD       NICLUDING DISCHARGE METHOD	
PUMP     AIR LIFT     BAILER     OTHER - SPECIFY:     WELL YIELD (gpm): 0,0       WELL YIELD TEST     TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD	
UPUMP         AIR LIFT         BAILER         OTHER - SPECIFY:           WELL TEST         TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD	
WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to te halow around surface/back they be backfilled using drill cuttings from total depth to te	00
MISCELLANEOUS INFORMATION: remporary well material removed and soil boring backfilled using drill cuttings from total depth to te	
WELL 1231       START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.         MISCELLANEOUS INFORMATION:       Temporary well material removed and soil boring backfilled using drill cuttings from total depth to te below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface.         PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICE	n feet
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICE	INSEE:
Shane Eldridge, Carmelo Trevino, Cameron Pruitt	
THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRU CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENG AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	INEER
CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENG AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Jack Atkins Jackie D. Atkins 03/31/2022	4
SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE	
FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 01/2	_
FILE NO. POD NO. TRN NO.	8/2022)
LOCATION WELL TAG ID NO. PAGE	





Version: September 8, 2009 Page 1 of 2

	T OI CHCH	meet out pragged, accet		8	
Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of <u>Material Placed</u> (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement <u>Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
_	0-10' Hydrated Bentonite	Approx. 15.7 gallons	15 gallons	Augers	
	10'-51' Drill Cuttings	Approx. 65 gallons	65 gallons	Boring	
-					
-					
_					
-				05100	APR 4 2022 #2103
_	]		BY AND OBTAIN 4805 = gallons 97 = gallons		
III. SIGN	ATURE:				

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

For each interval plugged, describe within the following columns:

I, Jackie D. Atkins 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 03/31/2022

Signature of Well Driller

Date

Version: September 8, 2009 Page 2 of 2

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By: Lucas Middleton (lucas@atkinseng.com) Status: Signed Transaction ID: CBJCHBCAABAA5gS-BF8wqVLJUo4hjo9A2Gu8_pebpNFL <b>VR-20 Well Record and Log-forsign" History</b> Document created by Lucas Middleton (lucas@atkinseng.com) 2022-03-31 - 8:03:47 PM GMT- IP address: 69.21.254.168 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	Created:	2022-03-31
Transaction ID:       CBJCHBCAABAASgS-BF8wqVLJUddhjo9A2Gu8_pebpNFL         WR-20 Well Record and Log-forsign" History         Document created by Lucas Middleton (lucas@atkinseng.com)         202243-31 - 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)         2023-03-31 - 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	By:	
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<ul> <li>Document created by Lucas Middleton (lucas@atkinseng.com) 2022-03-31 - 8:03:47 PM GMT- IP address: 69.21.254.158</li> <li>Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2022-03-31 - 8:04:57 PM GMT</li> <li>Email viewed by Jack Atkins (jack@atkinseng.com) 2022-03-31 - 9:26:09 PM GMT- IP address: 64.90.153.232</li> <li>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</li> <li>Agreement completed. 2022-03-31 - 9:28:49 PM GMT</li> </ul>	Transaction ID:	CBJCHBCAABAA5gS-BF8wqVLJUc4hjo9A2Gu8_pebpNFL
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Adobe Sign		



May 19, 2022

STEVE TAYLOR CAPROCK SERVICES P.O. BOX 457 LOVINGTON, NM 88260

RE: MESQUITE DELIVERY BOOSTER STATION

Enclosed are the results of analyses for samples received by the laboratory on 05/17/22 13:24.

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 <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited entity.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager

Page 1 of 14



### Analytical Results For:

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

Received:	05/17/2022	Sampling Date:	05/16/2022
Reported:	05/19/2022	Sampling Type:	Soil
Project Name:	MESQUITE DELIVERY BOOSTER STATIO	Sampling Condition :	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	DELAWARE BASIN		

### Sample ID: SP #1 @ 1' (H222091-01)

Chloride, SM4500Cl-B Analyzed By: AC mg/kg Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC Qualifier Analyte RPD 100 Chloride 336 16.0 05/18/2022 ND 400 400 3.92 Analyzed By: MS TPH 8015M mq/kq Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Analyte GRO C6-C10\* 10.0 05/18/2022 ND 234 117 200 5.02 < 10.0 DRO >C10-C28\* 10.0 05/18/2022 ND 232 200 < 10.0 116 5,31 EXT DRO >C28-C36 <10.0 10.0 05/18/2022 ND Surrogate: 1-Chiorooctane 110% 66.9-136 Surrogate: 1-Chlorooctadecane 113% 59.5-142

### Sample ID: SP #1 @ 4' (H222091-02) Chloride, SM4500CL-B ma/ka

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/18/2022	ND	400	100	400	3.92	
TPH 801 <i>5</i> M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	< 10.0	10.0	05/18/2022	ND	234	117	200	5.02	
DRO >C10-C28*	< 10.0	10.0	05/18/2022	ND	232	116	200	5.31	
EXT DRO >C28-C36	< 10.0	10.0	05/18/2022	ND					
Surrogate: 1-Chiorooctane	98.2	% 6a.9-13	16						
Surrogate: 1-Chlorooctadecane	1 02	% 59.5-14	12						

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\*=Accredited Analyte

PLOSE KOTE: Liability and Dumages. Gordna's liability and clerifs exclusive remarky for any clean arising, whether based in context or lost abell be limited to be amount paid by client for annyloss. All claims including fraze for majority and exclusive remarky for any client arising whether based in context or lost abell be limited to be amount paid by client for annyloss. All claims including fraze for majority and exclusive value of the start arises are also and the start are also and

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Celey D. Keene, Lab Director/Quality Manager

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### Analytical Results For:

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

Received:	05/17/2022	Sampling Date:	05/16/2022
Reported:	05/19/2022	Sampling Type:	Soil
Project Name:	MESQUITE DELIVERY BOOSTER STATION	Sampling Condition :	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	DELAWARE BASIN		

### Sample ID: SP #2 @ 1' (H222091-03)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	05/18/2022	ND	400	100	400	3.92	
TPH 801 <i>5</i> M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	< 10.0	10.0	05/18/2022	ND	234	117	200	5.02	
DRO >C10-C28*	< 10.0	10.0	05/18/2022	ND	232	116	200	5.31	
EXT DRO >C28-C36	< 10.0	10.0	05/18/2022	ND					

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

### Sample ID: SP #2 @ 4' (H222091-04)

mg,	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
16.0	16.0	05/18/2022	ND	400	100	400	3.92	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
< 10.0	10.0	05/18/2022	ND	234	117	200	5.02	
< 10.0	10.0	05/18/2022	ND	232	116	200	5.31	
<10.0	10.0	05/18/2022	ND					
92.0	% 66.9-13	6						
97.7	% 59.5-14	12						
	Result <b>16.0</b> <b>mg</b> Result <10.0 <10.0 <10.0 <210.0 <210.0	16.0         16.0           mg/kg         Reporting Limit           <10.0	Result         Reporting Limit         Analyzed           16.0         15.0         05/15/2022           mg/kg         Analyzed           Result         Reporting Limit         Analyzed           <10.0	Result         Reporting Limit         Analyzed         Method Blank           16.0         15.0         05/13/2022         ND           mg/kg         Analyzed By: MS         Method Blank           10.0         10.0         05/13/2022         ND           40.0         10.0         05/13/2022         ND           <10.0	Result         Reporting Limit         Analyzed         Method Blank         BS           16.0         15.0         05/18/2022         ND         400           mg/kg         Analyzed         By: MS         Method Blank         BS           Result         Reporting Limit         Analyzed         Method Blank         BS            10.0         10.0         05/18/2022         ND         234           <10.0	Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery           16.0         16.0         05/18/2022         ND         400         100           mg/kg         Analyzed By: MS         Method Blank         BS         % Recovery           10.0         10.0         05/18/2022         ND         234         117           <10.0	Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC           16.0         15.0         05/15/2022         ND         400         100         400           mg/kg         Analyzed By: MS         Method Blank         BS         % Recovery         True Value QC           10.0         10.0         05/15/2022         ND         234         117         200           <10.0	Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           16.0         16.0         05/13/2022         ND         400         100         400         3.92           mg/kg         Analyzed By: MS         Msthod Blank         BS         % Recovery         True Value QC         RPD           <10.0

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\*=Accredited Analyte

PERSE NOTE: Labelly and Dampse. Cardrads labelly and dards exclusive remedy for any chain ariting, whether based in contact or lot. shall be limited to the annual paid by client for analyses. At chains, including hous for majorizes and any other cause whethere whethere shall be demed univid unitses made in writing and received by Cardral within hithy (D) dgs and compliant of the applicable service. This nevert shall be demed univid unitses made in writing and received by Cardral within hithy (D) dgs and an opposition of the applicable service. This never shall be by including the labels to include an opposite shall be an opposite and the shall be an advected by Cardral within the labels are applied to the preformance of the service hearander by Cardral lengables: of whether such chains based pensary of he abovestated means or direvent teachershell cardral data life to preform the labels of the start teacher such chains based pensary of he abovestated means or direvent teachershell cardral data life to preform the labels of the start teacher such chains based pensary of he abovestated means or direvent teachershell and the start teacher such chains based pensary of he abovestated means or direvent teachershell and the start teachershell be and teachershell be above teacher based because the start teacher based because the start teacher based because teacher based be

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Celey D. Keene, Lab Director/Quality Manager

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### Analytical Results For:

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

Received:	05/17/2022	Sampling Date:	05/16/2022
Reported:	05/19/2022	Sampling Type:	Soil
Project Name:	MESQUITE DELIVERY BOOSTER STATIO	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	DELAWARE BASIN		

### Sample ID: SP #3 @ 1' (H222091-05)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	05/18/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	< 10.0	10.0	05/18/2022	ND	234	117	200	5.02	
DRO >C10-C28*	< 10.0	10.0	05/18/2022	ND	232	116	200	5.31	
EXT DRO >C28-C36	< 10.0	10.0	05/18/2022	ND					

Surrogate: 1-Chiorooctadecane 101 % 59.5-142

### Sample ID: SP #3 @ 4' (H222091-06)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/18/2022	ND	400	100	400	3.92	
TPH 801 <i>5</i> M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	< 10.0	10.0	05/18/2022	ND	234	117	200	5.02	
DRO >C10-C28*	< 10.0	10.0	05/18/2022	ND	232	116	200	5.31	
EXT DRO >C28-C36	< 10.0	10.0	05/18/2022	ND					
Surrogate: 1-Chlorooctane	104	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	111	% 59.5-14	12						

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\*=Accredited Analyte

PESE NOTE: Ubbity and Damges. Grebrals likelity and clerifs exclusive remedy for any clear arising, whether based in contact or tort, shall be limited to the ansunt paid by client for analyses. All clears including froze for negligence and any other cause whethere are balance or balance during in a write and the clear of the structure of the analysis. In one cent shall clearling be the included of the structure of the approximation of the approx

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Celey D. Keene, Lab Director/Quality Manager

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### Analytical Results For:

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

Received:	05/17/2022	Sampling Date:	05/16/2022
Reported:	05/19/2022	Sampling Type:	Soil
Project Name:	MESQUITE DELIVERY BOOSTER STATION	Sampling Condition :	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	DELAWARE BASIN		

### Sample ID: SP #4 @ 1' (H222091-07)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Method Blank BS % Recovery True Value QC Qualifier Analyte Result Reporting Limit Analyzed RPD Chloride 1150 16.0 05/18/2022 ND 400 100 400 3.92 TPH 8015M Analyzed By: MS mg/kg Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier GRO C6-C10\* 05/18/2022 ND 234 117 < 10.0 10.0 200 5.02 05/18/2022 DRO >C10-C28\* < 10.0 10.0 ND 232 116 200 5.31 EXT DRO >C28-C36 05/18/2022 ND <10.0 10.0 Surrogate: 1-Chiorooctane 94.7% 66.9-136 Surrogate: 1-Chiorooctadecane 99.6% 59.5-142

### Sample ID: SP #4 @ 4' (H222091-08) Chloride, SM4500Cl-B mg/kg

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/18/2022	ND	400	100	400	3.92	
TPH 801 <i>5</i> M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	< 10.0	10.0	05/19/2022	ND	234	117	200	5.02	
DRO >C10-C28*	< 10.0	10.0	05/19/2022	ND	232	116	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					
Surrogate: 1-Chiorooctane	92.3	% 66.9-13	6						
Surrogate: 1-Chiorooctadecane	95.3	% 59.5-14	2						

### Cardinal Laboratories

\*=Accredited Analyte

PESE NOTE: Liability and Damagas. Gradwal's liability and clearls exclusive neeredy for any clear arising, whether based in contact or lort, shall be limited to the annual paid by client for analysis. All clears including those for negliginous and any other cause whethere whethere shall be deemed varied in writing and received by Cardinal which here (10) and analysis. The special be availed by the service in one constrained analysis rundring which limits in basisses in transports by of positive namedy for any clear arising and or version of the approximated by positive and clears based on any clear the service is been by Cardinal lengables of whether auch clears based one of the above stated search or otherwise its bases in the special base or accesses within a personal Cardinal Liabertal or the service is the same of the service is the service in the service in the service is the service in the service is the service in the service is the service in the service in the service is the service in the service is the service in the service in the service is the service in the service in the service is the service in the service is the service in the service in the service is the service in the service is the service in the service is the service in the service is the service in the service

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Celey D. Keene, Lab Director/Quality Manager

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### Analytical Results For:

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

Received:	05/17/2022	Sampling Date:	05/16/2022
Reported:	05/19/2022	Sampling Type:	Soil
Project Name:	MESQUITE DELIVERY BOOSTER STATION	Sampling Condition :	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	DELAWARE BASIN		

### Sample ID: SP #5 @ 1' (H222091-09)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	05/18/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	< 10.0	10.0	05/19/2022	ND	234	117	200	5.02	
DRO >C10-C28*	< 10.0	10.0	05/19/2022	ND	232	116	200	5.31	
EXT DRO >C28-C36	<10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

# Sample ID: SP #5 @ 4' (H222091-10)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6240	16.0	05 <b>/</b> 18 <b>/</b> 2022	ND	400	100	400	3.92	
TPH 801 <i>5</i> M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	< 10.0	10.0	05/19/2022	ND	234	117	200	5.02	
DRO >C10-C28*	< 10.0	10.0	05 <b>/</b> 19 <b>/</b> 2022	ND	232	116	200	5.31	
EXT DRO >C28-C36	< 10.0	10.0	05/19/2022	ND					
Surrogate: 1-Chiorooctane	87.9	% 66.9-13	16						
Surrogate: 1-Chiorooctadecane	91.7	% 59.5-14	12						

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NEGE NOTE: Libbly and Damages. Condends libbly and clerifs exclusive remedy for any clear arising whether based in contact or lost, shall be limited to the annual paid by clerif the analysis. All claims including frace for negligence and any other cause whethere shall be deemed waved units: masks in writing and needed by Certified within their (00) days after completion of the applicable service. In no event shall Certified to the bit including frace for negligence and the applicable service, there are including the state of the applicable service. The needed to be provided to be prov

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Celey D. Keene, Lab Director/Quality Manager

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### Analytical Results For:

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

Received:	05/17/2022	Sampling Date:	05/16/2022
Reported:	05/19/2022	Sampling Type:	Soil
Project Name:	MESQUITE DELIVERY BOOSTER STATIO	Sampling Condition :	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	DELAWARE BASIN		

### Sample ID: SP #6 @ 1' (H222091-11)

Chloride, SM4500Cl-B	nng,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6240	16.0	05/18/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	< 10.0	10.0	05/19/2022	ND	234	117	200	5.02	
DRO >C10-C28*	< 10.0	10.0	05/19/2022	ND	232	116	200	5.31	
EXT DRO >C28-C36	< 10.0	10.0	05/19/2022	ND					

Surrogate: 1-Chlorooctadecane 94.5% 59.5-142

### Sample ID: SP #6 @ 4' (H222091-12)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/18/2022	ND	400	100	400	3.92	
TPH 801 <i>5</i> M	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	05/19/2022	ND	234	117	200	5.02	
DRO >C10-C28*	< 10.0	10.0	05/19/2022	ND	232	116	200	5.31	
EXT DRO >C28-C36	< 10.0	10.0	05/19/2022	ND					
Surrogate: 1-Chiorooctane	95.1	% 66.9-13	16						
Surrogate: 1-Chiorooctadecane	<i>99.</i> 6	% 59.5-14	12						

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PERSE NOTE: Labelly and Damages. Condends labelly and clenis exclusive remedy for any clear arising whether based in contact or lost, shall be limited to the annuml paid by clerit for analyses. All clears including house for negliginous and any other cause whethere whethere shall be deemed wavel unless made in worked by Cardinal within their (20) days after completion of the applicable service. This no event shall cardinal be labels for including including whether their (20) days after completion of the applicable service. This no event shall cardinal be labels for including whether their (20) days after completion of the applicable service. The normal shall cardinal be labels for including whether such clears based provides a statistic and the statistic of a shallow be applied on the service shared or by Cardinal regardles of whether such clears based provides (statistic and on the service shared by clear the label statistic shared by the formation of the rest days and the service shared by the s

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Celey D. Keene, Lab Director/Quality Manager

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### Analytical Results For:

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

Received:	05/17/2022	Sampling Date:	05/16/2022
Reported:	05/19/2022	Sampling Type:	Soil
Project Name:	MESQUITE DELIVERY BOOSTER STATIO	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	DELAWARE BASIN		

### Sample ID: SP #7 @ 1' (H222091-13)

Chloride, SM4500Cl-B Analyzed By: AC mg/kg Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 5200 16.0 05/18/2022 ND 400 100 400 3.92 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value OC RPD Oualifier GRO C6-C10\* <10.0 10.0 05/19/2022 ND 234 117 200 5.02 DRO >C10-C28\* < 10.0 10.0 05/19/2022 ND 232 116 200 5.31 EXT DRO >C28-C36 < 10.0 10.0 05/19/2022 ND Surrogate: 1-Chiorooctane 94.0% 66.9-136 Surrogate: 1-Chlorooctadecane 98.5% 59.5-142

### Sample ID: SP #7 @ 4' (H222091-14) Chlorido 6M4500CL.P ma/lea

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	16.0	05/18/2022	ND	400	100	400	3.92	
TPH 801 <i>5</i> M	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	05/19/2022	ND	234	117	200	5.02	
DRO >C10-C28*	< 10.0	10.0	05/19/2022	ND	232	116	200	5.31	
EXT DRO >C28-C36	< 10.0	10.0	05/19/2022	ND					
Surrogate: 1-Chiorooctane	95.1	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	100	% 59.5-14	2						

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PESE NOTE: tablify and Dumpse. Cardnals lability and denfs exclusive number for any chain arising whether based in contact or tort, abult be limited to the amanut paid by client for analyses. All chains, including have for mapligness and any other cause whethere shall be deemed worked in the single shall be the share of the applicable service. In no work shall be the for incidental or corresponded dompses, including whether limits in basies interpretion to any to any other branch by client in a statistic shall be an access at any other share down and the same share of the services beaunder by Cardnal whether such claims based upper share and client based of the share of the share of the services beaunder by Cardnal indexes whether such claims based upper share claims based of the statistical share. This report shall not be preferences of the services beaunder by Cardnal whether such claims based upper share claims at the statistical share. This report shall not be preference of the services beaunder by Cardnal indexes (the service based of the statistical share) is the statistical share and the statistical share the stati

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Celey D. Keene, Lab Director/Quality Manager

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### Analytical Results For:

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

Received:	05/17/2022	Sampling Date:	05/16/2022
Reported:	05/19/2022	Sampling Type:	Soil
Project Name:	MESQUITE DELIVERY BOOSTER STATION	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	DELAWARE BASIN		

### Sample ID: SP #8 @ 1' (H222091-15)

Chloride, SM4500Cl-B Analyzed By: AC mq/kq Analyte Result Reporting Limit Analyzed Method Blank BS True Value QC RPD Qualifier % Recovery Chloride 6400 16.0 05/18/2022 ND 100 400 400 3.92 TPH 8015M mg/kg Analyzed By: MS Result Method Blank Qualifier Analyte Reporting Limit Analyzed BS % Recovery True Value QC RPD 05/19/2022 GRO C6-C10\* <10.0 10.0 ND 234 117 200 5.02 DRO >C10-C28\* <10.0 10.0 05/19/2022 ND 232 116 200 5.31 EXT DRO >C28-C36 < 10.0 10.0 05/19/2022 ND Surrogate: 1-Chiorooctane 97.8 % 66.9-136 Surrogate: 1-Chlorooctadecane 105 % 59.5-142

### Sample ID: SP #8 @ 4' (H222091-16) Chlorida SM4500CL-R

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	05/18/2022	ND	400	100	400	3.92	
TPH 801 <i>5</i> M	mg/kg		Analyzed By: MS						
Andyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	< 10.0	10.0	05/19/2022	ND	234	117	200	5.02	
DRO >C10-C28*	< 10.0	10.0	05/19/2022	ND	232	116	200	5.31	
EXT DRO >C28-C36	< 10.0	10.0	05/19/2022	ND					
Surrogate: 1-Chlorooctane	101	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	108	% 59.5-14	2						

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PUSE HOTE: Liability and Damages. Gredend's liability and clerifs exclusive remedy for any claim ariting, whether based in contract or tort, shall be limited to the annual paid by client for analyses. All claims including have for majornes and any other cause whethere whethere that liability is and inclusion of Cardinal which have that the shall be and the state of the analysis. In one event shall Cardinal have be in related as or to analysis of the shall be be included by Cardinal which is allowed as a provide of the applicable service. In no event shall Cardinal have be be included as of the shall be and the shall be and the shall be an analysis of the shall be and the shall be and the shall be and the shall be an analysis. The share the shall be and the shall be analysis of the share shall be and the share shall be and the share shall be an analysis of the share shall be and the share share share the share share share the share share share share the share share share the share share share the share share share share the share share share share the share share

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Celey D. Keene, Lab Director/Quality Manager

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### Analytical Results For:

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

Received:	05/17/2022	Sampling Date:	05/16/2022
Reported:	05/19/2022	Sampling Type:	Soil
Project Name:	MESQUITE DELIVERY BOOSTER STATIO	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	DELAWARE BASIN		

### Sample ID: SP #9 @ 1' (H222091-17)

Chloride, SM4500Cl-B Analyzed By: AC mg/kg Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier 05/18/2022 ND Chloride 4400 16.0 400 100 400 3.92 TPH 8015M Analyzed By: MS mg/kg Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Analyte GRO C6-C10\* 05/19/2022 234 200 5.02 <10.0 10.0 ND 117 DRO >C10-C28\* 05/19/2022 ND 232 200 5.31 <10.0 10.0 116 05/19/2022 ND EXT DRO >C28-C36 < 10.0 10.0 98.8 % 66.9-136 Surrogate: 1-Chiorooctane

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

### Sample ID: SP #9 @ 4' (H222091-18)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/18/2022	ND	400	100	400	3.92	
TPH 801 <i>5</i> M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2022	ND	234	117	200	5.02	
DRO >C10-C28*	< 10.0	10.0	05/19/2022	ND	232	116	200	5.31	
EXT DRO >C28-C36	< 10.0	10.0	05/19/2022	ND					
Surrogate: 1-Chlorooctane	107	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	1159	6 59.5-14	12						

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PIESE NOTE: Libbly and Dumages. Cardrafs liabily and clurifs exclusive remarks for any clum arking whether based in contract or bot. shell be limited to be amount part by cluri for analyses. All clums, trickeling frees and any other cause whethere shall be deemed wared or likes made in writing and neoted by Cardral within thity (10) days after completion of the applicable service. In no event shall Cardral be blob for incidental or consequential damages including whole inhibitory basiss: interpretors base of use or bas of polits hanned by client is absolute a additions after a constance arising of an existent of the applicable service. The performance of the services beaunder by Cardral whether auch climits based personny of the above that detection or otherwise business beaunder by Cardral labove through a different period cardral laboratorie.

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Celey D. Keene, Lab Director/Quality Manager

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### Analytical Results For:

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

Received:	05/17/2022	Sampling Date:	05/16/2022
Reported:	05/19/2022	Sampling Type:	Soil
Project Name:	MESQUITE DELIVERY BOOSTER STATION	Sampling Condition :	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	DELAWARE BASIN		

### Sample ID: SP #10 @ 1' (H222091-19)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Reporting Limit Analyte Result Analyzed Method Blank BS % Recovery True Value OC RPD Oualifier Chloride 3360 16.0 05/18/2022 ND 400 100 400 3.92 TPH 8015M mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value OC RPD Oualifier GRO C6-C10\* <10.0 10.0 05/19/2022 ND 234 117 200 5.02 DRO >C10-C28\* < 10.0 10.0 05/19/2022 ND 232 116 200 5.31 < 10.0 05/19/2022 EXT DRO >C28-C36 10.0 ND Surrogate: 1-Chiorooctane 1 02 % 66.9-136 Surrogate: 1-Chlorooctadecane 108 % 59.5-142

### Sample ID: SP #10 @ 4' (H222091-20)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/18/2022	ND	400	100	400	3.92	
TPH 801 <i>5</i> M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	< 10.0	10.0	05/19/2022	ND	234	117	200	5.02	
DRO >C10-C28*	< 10.0	10.0	05/19/2022	ND	232	116	200	5.31	
EXT DRO >C28-C36	< 10.0	10.0	05/19/2022	ND					
Surrogate: 1-Chiorooctane	<i>96.2</i>	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	103	% 59.5-14	12						

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NESE KOTE: Libbility and Damage. Cardna's lability and clerifs exclusive remedy for any claim airing whether based in contact or lot. shall be limited to the annual paid by client for analyses. All claims including heas for negligance and any other cause whethewer shall be downed warder dimeters much in writing and exceeded by Cardnai whether based in contact or lot. shall be limited to the annual paid by client is analysed to the starting of the service. All claims including whether the subinterface whether and the service hearing is and so of politic transmit by client it subsidiaries and limited exception of the services hearing by Cardnai engendess of whether such claims based powers of the services. Laukeshearing to becample identified by the services hearing of the services.

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Celey D. Keene, Lab Director/Quality Manager

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\*=Accredited Analyte



### Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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 SM4500CI-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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\*=Accredited Analyte

PERCE NOTE: Liability and Damages. Cardena's liability and clerifs exclusive remedy to any chim ariting, whether based in contract or tort, shall be limited to the ansunt paid by client for analyses. All chemis including hous for negligance and any other cause whethere whethere that the demend wavel unitse mode, in writing and exceeded by Cardinal within hitty (00) days, a stark completion of the applicable services. In no event shall Cardinal be blob for includeral long ones compared by client is absolubate a stark and the service housenede by Cardinal long of the analytic dimension of the service housenede by Cardinal long of the analytic dimension of the service housenede by Cardinal long of the service housened by the service housened by Cardinal long of the service housened by the service housened by Cardinal long of the service housened by the service house

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# Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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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

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Action 155368

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	155368
	Action Type:
	[C-141] Release Corrective Action (C-141)

### CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved with Conditions. Release occurred off pad and the top 4' must be remediated to the most stringent criteria (600 mg/kg chloride, 100 mg/kg TPH, etc). Only the edges of the release were delineated, no samples were collected from the center parts of the release. This must be addressed during remediation with confirmation samples to obtain and address complete vertical delineation. Sidewall samples need to be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Please note that well C-4595 Pod 1 is 0.79 miles from the release and not the reported 0.5 miles.	