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
N	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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ 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.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2212637790
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Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? [x] Yes [ ] No	If YES, for what reason(s) does the responsible party consider this a major release? Over 25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Dale Woodall, Gilbert Cordero, 05/06/2022, telephone	

Initial Response

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

[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.
[x] 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: _____

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2212637790
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?	>50' (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ 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 ☒ 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 ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** 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
- ☒ 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.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2212637790
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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. Professional

Signature: Dale Woodall Date: 11/1/2022

email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: Jocelyn Harimon Date: 11/01/2022

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2212637790
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Facility ID	
Application ID	

Remediation Plan

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

- [x] Detailed description of proposed remediation technique
- [x] Scaled sitemap with GPS coordinates showing delineation points
- [x] Estimated volume of material to be remediated
- [x] 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

Received by: Jocelyn Harimon Date: 11/01/2022

- [ ] Approved
- [x] Approved with Attached Conditions of Approval
- [ ] Denied
- [ ] Deferral Approved

Signature: Jennifer Nobui Date: 11/17/2022

Incident ID	nAPP2212637790
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Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Incident ID	nAPP2212637790
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Facility ID	
Application ID	

October 18, 2022

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 Volume of Release			
Date Release Discovered	5/6/2022	**Source of Release**	Pipeline
Type of Release	Produced Water	**Volume Released (bbls)**	30 BBLS
		Volume Recovered (bbls)	0
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.			
Affected Area Appoximatley 8,129 square feet.			
Was this a major release? yes	**If YES, for what reasons (s) is this considered a major release?** Over 25 BBLS		
If Yes, was immediate notice given to the OCD? By whom? To whom? When and by what means?			

Incident ID	nAPP2212637790
District RP	
Facility ID	
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 **not** 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.

Incident ID	nAPP2212637790
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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)

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)
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.

Incident ID	nAPP2212637790
District RP	
Facility ID	
Application ID	

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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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

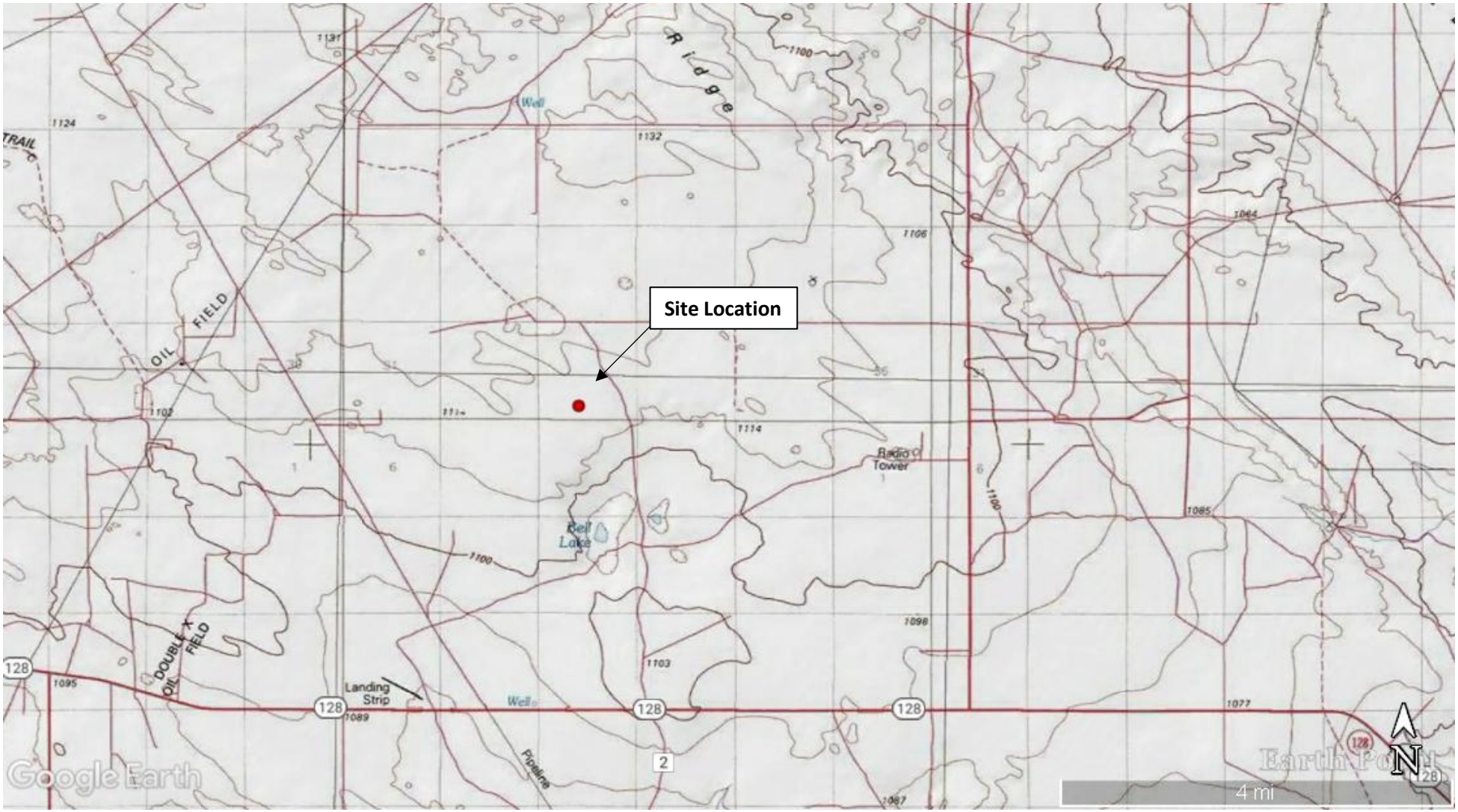
Attachments:
Attachment #1- Figure 1 - Topographic Map
Attachment #2- Figure 2 - Aerial Map
Attachment #3- Figure 3 - Site and Sample Location Map
Attachment #4- Figure 4 - Photographic Log
Attachment #5- Figure 5 - Ground Water Information
Attachment #6- Figure 6 - Laboratory analytical results

LIMITATIONS

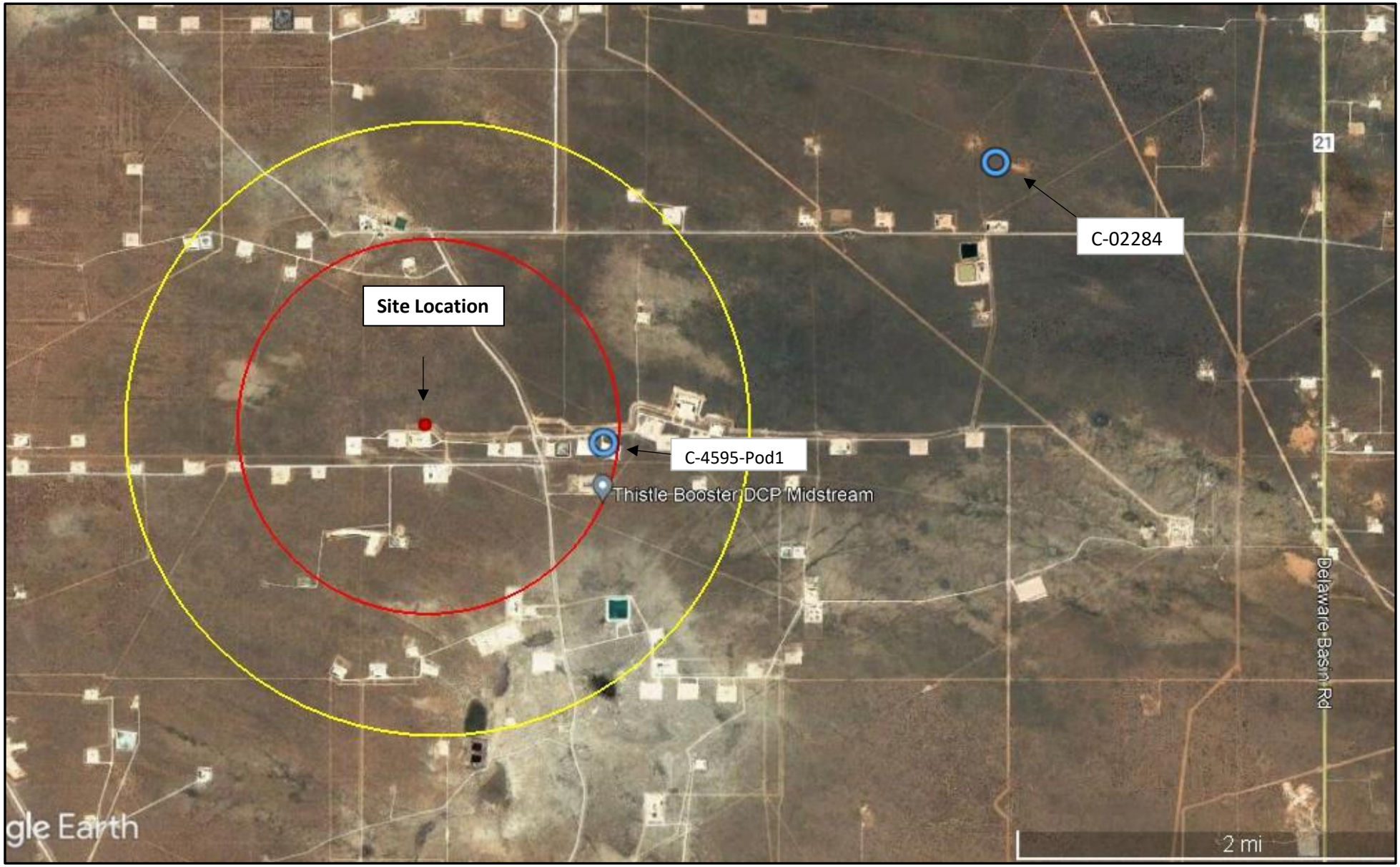
This document has been prepared on behalf of Devon Energy. Use of information contained in this report, including exhibits and attachments, by any other party without the consent of Caprock Services/and or Devon Energy is prohibited.

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



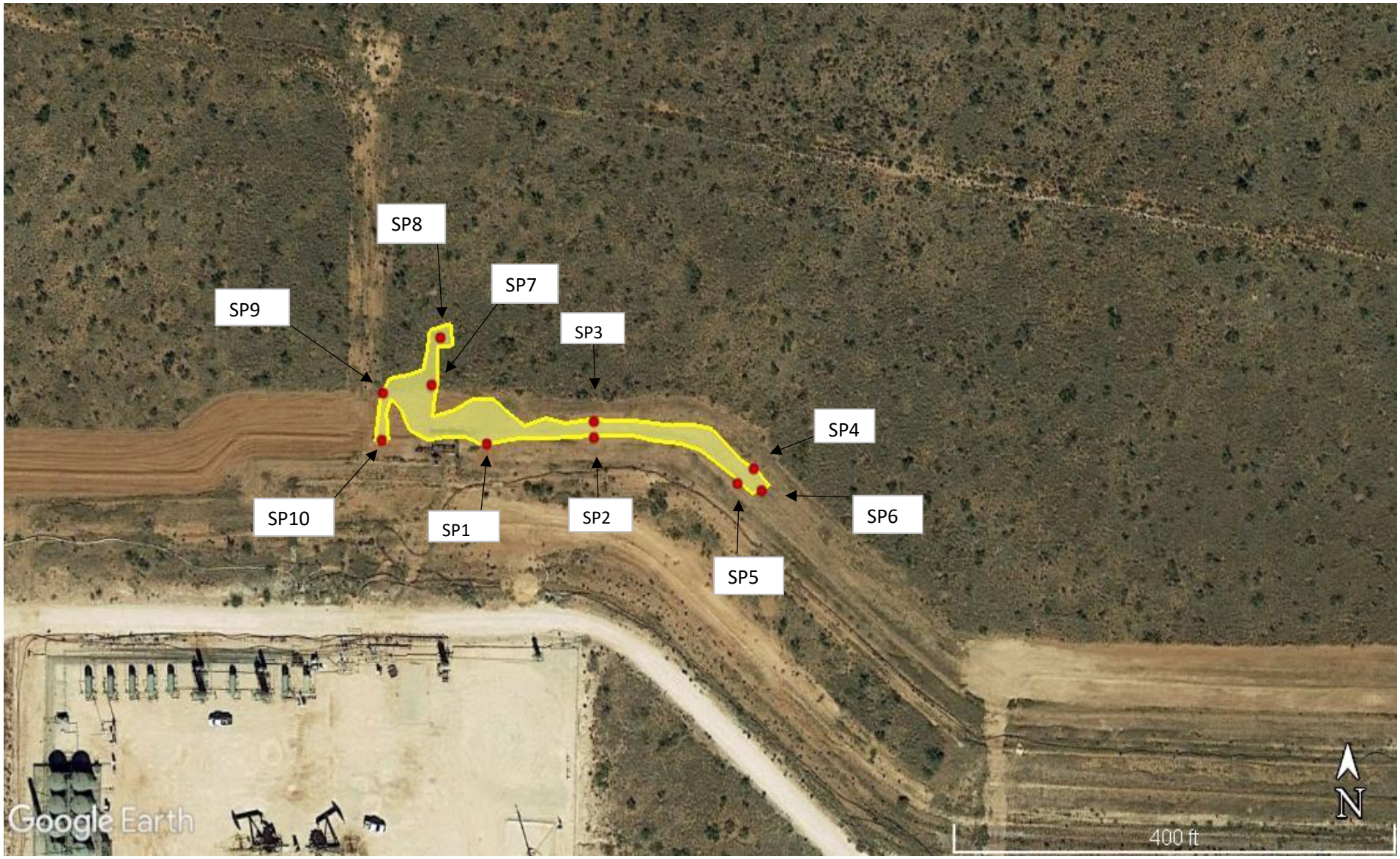
LEGEND:

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

Figure 2
Aerial Map
Devon Energy
Mesquite Booster Delivery Station
GPS: 32.2558333, -103.5786111
Lea County, New Mexico

Caprock C S Services

Drafted by: MST Checked by: client Date: 10/18/2022



LEGEND:

- Sample Location
- Confirmation Sample Location
- Affected Area
- Excavated Area

Figure 3

Site & Sample Location Map

Devon Energy

Mesquite Booster Delivery Station

GPS: 32.2558333, -103.5786111

Lea County, New Mexico

Caprock C S Services

Drafted by: MST Checked by: client Date: 10/18/2022

PHOTOGRAPHIC LOG

Figure 1

Figure 2

PHOTOGRAPHIC LOG

Figure 3

Figure 4

PHOTOGRAPHIC LOG

Figure 5

Figure 6

Atkins
ENGINEERING ASSOCIATES INC.

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,

Lucas Middleton

Enclosures: as noted above

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
POD 1 (TW-1)		C-4595

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Devon Energy	575-748-1838

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
6488 7 Rivers Hwy	Artesia	NM	88210

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	15	16.73	N
	LONGITUDE	103	33	54.92	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND

* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

SE SW SW Sec. 34 T23S R33E

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
1249	Jackie D. Atkins	Atkins Engineering Associates, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
03/09/2022	03/09/2022	temporary well casing	±55	n/a

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): dry

DATE STATIC MEASURED: 03/9/22,3/15/22

DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☑ OTHER – SPECIFY: Hollow Stem Auger

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) 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	DEPTH (feet bgl) 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

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	4	4	Caliche, with medium to fine grained sand, white and Red	Y ✓ N	
4	24	20	Sand, medium/ fine grained, poorly graded, tan	Y ✓ N	
24	29	5	Sand, medium/ fine grained, poorly graded, Reddish Brown	Y ✓ N	
29	55	26	Sand, medium/ fine grained, poorly graded, with clay Reddish Brown	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

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 ten feet 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 LICENSEE:

Shane Eldridge, Carmelo Trevino, Cameron Pruitt

6. SIGNATURE

THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:

OSE DII APR 4 2022 PM2:30

Jack Atkins — Jackie D. Atkins — 03/31/2022

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

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 2 OF 2

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):

OSE DII APR 4 2022 PM 03

Version: September 8, 2009
Page 1 of 2

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.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("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	

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

III. SIGNATURE:

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 — Signature of Well Driller

03/31/2022 — Date

Version: September 8, 2009
Page 2 of 2

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-BF8wqVLJUc4hjc9A2Gu8_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

OSE DIT APR 4 2022 PM2:03

Adobe Sign

CARDINAL Laboratories

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

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

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 STATIOI	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 mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**336**	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 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	*110 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*113 %*	*59.5-142*

Sample ID: SP #1 @ 4' (H222091-02)

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	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 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	*98.2 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*102 %*	*59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 STATIOI	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 **Analyzed 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 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	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 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*109 %*	*59.5-142*

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

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**16.0**	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 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	*92.0 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*97.7 %*	*59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 STATIOI	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 **Analyzed 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 **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2022	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	*96.7 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*101 %*	*59.5-142*

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

Chloride, SM4500Cl-B mg/kg **Analyzed 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 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	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 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*111 %*	*59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 STATIOI	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**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**1150**	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 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	*94.7 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*99.6 %*	*59.5-142*

Sample ID: SP #4 @ 4' (H222091-08)

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	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 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	*92.3 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*95.3 %*	*59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 STATIOI	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 **Analyzed 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 **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-Chlorooctane	*99.6 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*105 %*	*59.5-142*

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

Chloride, SM4500Cl-B mg/kg **Analyzed 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 **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-Chlorooctane	*87.9 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*91.7 %*	*59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 STATIOI	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 mg/kg **Analyzed 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 **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-Chlorooctane	*90.1 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*94.5 %*	*59.5-142*

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

Chloride, SM4500Cl-B mg/kg **Analyzed 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 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	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	*95.1 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*99.6 %*	*59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 STATIOI	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 mg/kg **Analyzed By: AC**

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 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	*94.0 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*98.5 %*	*59.5-142*

Sample ID: SP #7 @ 4' (H222091-14)

Chloride, SM4500Cl-B mg/kg **Analyzed 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 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	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	*95.1 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*100 %*	*59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 STATIOI	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 mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**6400**	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 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	*97.8 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*105 %*	*59.5-142*

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

Chloride, SM4500Cl-B mg/kg **Analyzed 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 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	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 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*108 %*	*59.5-142*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 STATIOI	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 mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**4400**	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 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	*98.8 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*106 %*	*59.5-142*

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

Chloride, SM4500Cl-B mg/kg **Analyzed 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 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	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 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*115 %*	*59.5-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 STATIOI	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**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
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 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	*102 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*108 %*	*59.5-142*

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

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	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 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	*96.2 %*	*66.9-136*
Surrogate: 1-Chlorooctadecane	*108 %*	*59.5-142*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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 SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Caprock Services	BILL TO
Project Manager: Steve Taylor	P.O. #: 2102891 9
Address: P.O. Box 457	Company: Devon
City: Lovington State: NM Zip: 88260	Attn: Dale Woodall
Phone #: (575) 704-2718 Fax #:	Address: 6488 Seven Rivers Highway
Project #: Project Owner: Devon	City: Artesia
Project Name: Mesquite Delivery Booster Station	State: NM Zip: 88210
Project Location: Delaware Basin	Phone #: (405) 748-1838
Sampler Name: Steve Taylor	Fax #:

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chloride	TPH 8015M Ext (New Mexico)
H222091																
1	SP#1 @ 1'	X				X					X		5/16/22	8:30 AM	X	X
2	SP#1 @ 4'	X				X					X			8:35 AM	X	X
3	SP#2 @ 1'	X				X					X			8:40 AM	X	X
4	SP#2 @ 4'	X				X					X			8:45 AM	X	X
5	SP#3 @ 1'	X				X					X			8:55 AM	X	X
6	SP#3 @ 4'	X				X					X			8:58 AM	X	X
7	SP#4 @ 1'	X				X					X			9:00 AM	X	X
8	SP#4 @ 4'	X				X					X			9:05 AM	X	X
9	SP#5 @ 1'	X				X					X			9:10 AM	X	X
10	SP#5 @ 4'	X				X					X		↓	9:12 AM	X	X

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Relinquished By:	Date: 5.17.22	Received By:	Phone Result: ☐ Yes ☐ No	Add'l Phone #:
	Time: 1324		Fax Result: ☐ Yes ☐ No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: Email to Caprockservices56@gmail.com	
	Time:			

Delivered By: (Circle One) Sampler - UPS - Bus - Other: -14° C 0.5°C -14.5°C #113

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials) SR

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Caprock Services
Project Manager:	Steve Taylor
Address:	P.O. Box 457
City:	Lovington State: NM Zip: 88260
Phone #:	(575) 704-2718 Fax #:
Project #:	Project Owner: Devon
Project Name:	Mesquite Delivery Booster Station
Project Location:	Delaware Basin
Sampler Name:	Steve Taylor

BILL TO

P.O. #:	2102891 9
Company:	Devon
Attn:	Dale Woodall
Address:	6488 Seven Rivers Highway
City:	Artesia
State:	NM Zip: 88260
Phone #:	(405) 748-1838
Fax #:	

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING DATE	SAMPLING TIME	Chloride	TPH 8015 Ext (New Mexico)
H222091																
11	SP#6 @ 2'	X				X					X		5/16/22	9:15 AM		
12	SP#6 @ 4'	X				X					X			9:20 AM		
13	SP#7 @ 1'	X				X					X			9:25 AM		
14	SP#7 @ 4'	X				X					X			9:30 AM		
15	SP#8 @ 1'	X				X					X			9:35 AM		
16	SP#8 @ 4'	X				X					X			9:40 AM		
17	SP#9 @ 1'	X				X					X			9:45 AM		
18	SP#9 @ 4'	X				X					X			9:50 AM		
19	SP#10 @ 1'	X				X					X			9:55 AM		
20	SP#10 @ 4'	X				X					X			10:00 AM		

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Relinquished By:	Date: 5.17.22 Time: 1324	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: ☐ Yes ☐ No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	-14°C) C-0.5°C -14.5°C #113	Sample Condition Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	CHECKED BY: (Initials)

REMARKS:
Email to
caprockservices56@gmail.com

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

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 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.	11/17/2022