

# Remediation Summary & Deferral Request


## Goodnight Midstream Permian, LLC Jalapeno Roll Off

Eddy County, New Mexico  
Unit Letter N, Section 19, Township 22 South, Range 35 East  
Latitude 32.370868 North, Longitude 103.409807 West  
NMOCD Reference No. nAPP2422538949

Prepared By:

### Etech Environmental & Safety Solutions, Inc.

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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Goodnight Midstream Permian, LLC, has prepared this *Remediation Summary & Deferral Request* for the release site known as the Jalapeno Roll Off (henceforth, "Site"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.370868 Longitude -103.409807  
Provided GPS are in WGS84 format.

Site Name:	Jalapeno Roll Off	Site Type:	Tank Battery
Date Release Discovered:	8/8/2024	API # (if applicable):	N/A

Unit Letter	Section	Township	Range	County
N	19	22S	35E	Eddy

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

Nature and Volume of Release

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 12	Volume Recovered (bbls) 1
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released	Volume/Weight Recovered
Cause of Release: corrosion of an on-site roll-off		

Initial Response

☒ The source of the release has been stopped.

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

☒ Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices

☒ All free liquids and recoverable materials have been removed and managed appropriately.

Previously submitted portions of the New Mexico Oil Conservation Division (NMOCD) Form C-141 are available in the NMOCD Imaging System.

## 2.0 SITE CHARACTERIZATION

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (bgs)?	Between 26 and 50 (ft.)
What method was used to determine the depth to groundwater?	NM OSE iWaters Database Search
Did the release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
What is the minimum distance between the closest lateral extents of the release and the following surface areas?	
A continuously flowing watercourse or any other significant watercourse?	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	Between 500 and 1,000 (ft.)
An occupied permanent residence, school, hospital, institution or church?	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Between 1 and 5 (mi.)
Any other fresh water well or spring?	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field?	Greater than 5 (mi.)
A wetland?	Between 500 and 1,000 (ft.)
A subsurface mine?	Greater than 5 (mi.)
A (non-karst) unstable area?	Between 1,000 (ft.) and ½ (mi.)
Categorize the risk of this well/site being in a karst geology.	Low
A 100-year floodplain?	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided in Appendix A.

Additional NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish and Wildlife Services (FWS) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted in Figures 1, 2, and 4.



### 3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

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

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
Between 26 and 50 (ft.)	Chloride (Cl-)	EPA** 300.0 or SM4500 Cl B	600	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	100	100
	Gas Range Organics + Diesel Range Organics (GRO+DRO)	EPA SW-846 Method 8015M	N/A	N/A
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

\* Measured in milligrams per kilogram (mg/kg)

\*\* Environmental Protection Agency

† Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).

‡ The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas. Section 19.15.29.13 D.(1) NMAC.

### 4.0 REMEDIATION ACTIVITIES SUMMARY

Upon receiving laboratory analytical results from the initial samples, impacted soil affected above the NMOCD Closure Criteria was excavated by a third party earthworks contractor. Excavated material was stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. The floor and sidewalls of the excavation were advanced until field tests and field observations suggested that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure

On September 20, 2024, Etech collected seven (7) excavation confirmation soil samples (FL 2 @ 3', FL 5 @ 3', FL 7 @ 3', FL 8 @ 3', EW 1, EW 2, and SW 1) from the floors sidewalls of the excavated area. The collected soil samples were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated BTEX and TPH concentration were below the appropriate laboratory method detection limit (MDL) in each of the submitted soil samples. Chloride concentrations ranged from 64.0 mg/kg in soil samples SW-1' to 544 mg/kg in soil sample FL 2 @ 3'. A soil chemistry table is provided as Table 1. Laboratory analytical reports are provided in Appendix C.

In addition, Etech collected a deferral characterization soil sample (WW DEF) from the western sidewall adjacent to the on-site containment. The collected soil sample was submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated BTEX and TPH concentrations were below the appropriate laboratory MDL; the concentration of chloride was 2,720 mg/kg.

On September 26, 2024, Etech collected six (6) excavation confirmation soil samples (FL 1 @ 5', FL 3 @ 4', FL 4 @ 4.5', FL 6 @ 4.5', NSWb and NWSWb from the floor and sidewalls of the excavated areas. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated BTEX and TPH concentration were below the appropriate laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 368 mg/kg in soil sample FL 3 @ 4' to 2,320 mg/kg in soil sample NSWb. BTEX, TPH and chloride concentrations were below the NMOCD Closure Criteria in each of the submitted soil samples with the exception of soil samples FL 4 @ 4.5', NSWb, and NWSWb which exhibited TPH concentrations of 736 mg/kg, 2,320 mg/kg and 672 mg/kg, respectively. The excavation was advanced in the area characterized by soil samples FL 4 @ 4.5', NSWb, and NWSWb.

On October 3, 2024, Etech collected four (4) excavation confirmation soil samples (FL-4 @ 5', FL-9 @ 3', NSWc and NWSWc) from the floor and sidewalls of the excavated areas. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated BTEX and TPH concentration were below the appropriate laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 240 mg/kg in soil samples FL 4 @ 4.5' and FL 9 @ 3' to 400 mg/kg in soil NWSWc. A summary of remediation activities is provided below:

Requesting a remediation plan approval with this submission?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Have the lateral and vertical extents of contamination been fully delineated?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Was this release entirely contained within a lined containment area?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
On what estimated date will (or did) the remediation commence?	9/16/2024	
On what date will (or did) the final sampling or liner inspection occur?	10/3/2024	
On what date will (or was) the remediation complete(d)?	11/5/2024	
What is the total surface area (sq. ft.) in need of or that will <i>eventually</i> be reclaimed?	4,300	
What is the total volume (cy) in need of or that will <i>eventually</i> be reclaimed?	720	
What was the total surface area (sq. ft.) that has or will be remediated?	4,300	
What was the total volume (cy) that has or will be remediated?	720	
This remediation utilized the following processes to remediate/reduce contaminants: (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Soil Vapor Extraction	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Ground Water Abatement pursuant to 19.15.30 NMAC	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Other (Non-listed remedial process)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Which OCD approved facility was or will be used for off-site disposal?	Northern Delaware Basin Landfill	
NMOCD Disposal Facility ID?	fSL2019032229	
Summarize any additional remediation activities not included by answers above.	See below	

In addition, Etech collected one (1) horizontal delineation soil sample (WH 1 @ 6") from a hole cut into the lined containment. The collected soil sample was submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated BTEX and TPH concentrations were below the appropriate laboratory MDL; the concentration of chloride was 224 mg/kg. A summary of analytical results from soil sampling is provided on the following page:

Constituent	Highest Observable Concentration	Sample ID	Sample Date	Sample Depth (ft bgs)	Soil Status
Chloride	2,720	WW DEF	9/20/2024	0-5	In-Situ
TPH	<30.0	All submitted samples	All Dates	0-5	In-situ and excavated
GRO+DRO	<20.0	All submitted samples	All Dates	0-5	In-situ and excavated
BTEX	0.497	NSW B	9/26/2024	0-3	Excavated
Benzene	0.12	NSW B	9/26/2024	0-3	Excavated

Please reference Table 1 for additional information.

In addition, Etech collected one (1) horizontal delineation soil sample (WH 1 @ 6") from a hole cut into the lined containment. The collected soil sample was submitted to the laboratory for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated BTEX and TPH concentrations were below the appropriate laboratory MDL; the concentration of chloride was 224 mg/kg.

The final dimensions of the excavated area are approximately seventy-five (75) ft. in length, ten (10) to forty-five (45) ft. in width and three (3) to five (5) ft. in depth. An estimated five hundred forty (540) cy of impacted material has been excavated and transported to an NMOCD-permitted surface waste facility for disposal.

All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste containing earthen material with concentrations of less than 600 mg/kg chloride, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg benzene?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Requesting a reclamation approval with this submission?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Requesting a restoration complete approval with this submission?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
What was the total surface area (in square feet) reclaimed?	<u>3,000</u>	
What was the total volume (in cubic yards) reclaimed?	<u>540</u>	

Upon receiving laboratory analytical results from confirmation soil samples, the excavated area was backfilled with locally sourced material characterized by soil sample Backfill. Areas affected by remediation activities were contoured and compacted to achieve erosion control, stability and preservation of surface water flow to the extent practicable.

The release was limited to the production pad of an active produced water central receiving facility and did not impact the adjacent pasture. Final reclamation and revegetation will be conducted upon decommissioning and abandonment of the location. The reclaimed area will be revegetated with an agency and/or landowner-approved seed mix during the first favorable growing season following closure of the facility. The seed mix will be certified as weed-free and installed at the prescribed rate utilizing either a seed drill or a broadcaster and harrow.

## 5.0 DEFERRAL REQUEST

Requesting a deferral of remediation closure due date with the approval of this submission?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Requesting a remediation closure approval with this submission?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Have the lateral and vertical extents of contamination been fully delineated?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
What is the remaining surface area (sq. ft.) that will still need to be remediated if a deferral is granted?	1,300	
What is the remaining volume (cy) that will still need to be remediated if a deferral is granted?	180	
Enter the facility ID (f#) on which the deferral should be granted:	fCH1903939717	
Enter the API (30-) on which the deferral should be granted:	N/A	
Contamination does not cause an imminent risk to human health, the environmental or groundwater:	TRUE	

Remediation activities were conducted in accordance with applicable NMOCD regulatory guidelines. Impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standards was excavated to the extent practicable and transported to an NMOCD-approved disposal facility. Laboratory analytical results from confirmation soil samples indicate that in-situ concentrations of BTEX and chloride are below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards. Remediation of chloride-impacted soil affected above the NMOCD Closure Criteria remaining in-situ in the Deferral Area will be completed upon decommissioning and abandonment of the facility, in accordance with Sections 19.15.29.12 and 19.15.29.13 NMAC.

## 6.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this Remediation Summary & Deferral Request to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Goodnight Midstream Permian, LLC Use of the information contained in this report is prohibited without the consent of Etech and/or Goodnight Midstream Permian, LLC

## **7.0 DISTRIBUTION**

***Goodnight Midstream Permian, LLC***

*5910 N Central Expy*

*Suite 800*

*Dallas, TX 75206*

***New Mexico Energy, Minerals and Natural Resources Department***

*Oil Conservation Division, District 2*

*811 S. First Street*

*Artesia, NM 88210*

***United States Department of the Interior***

*Bureau of Land Management*

*620 E. Greene Street*

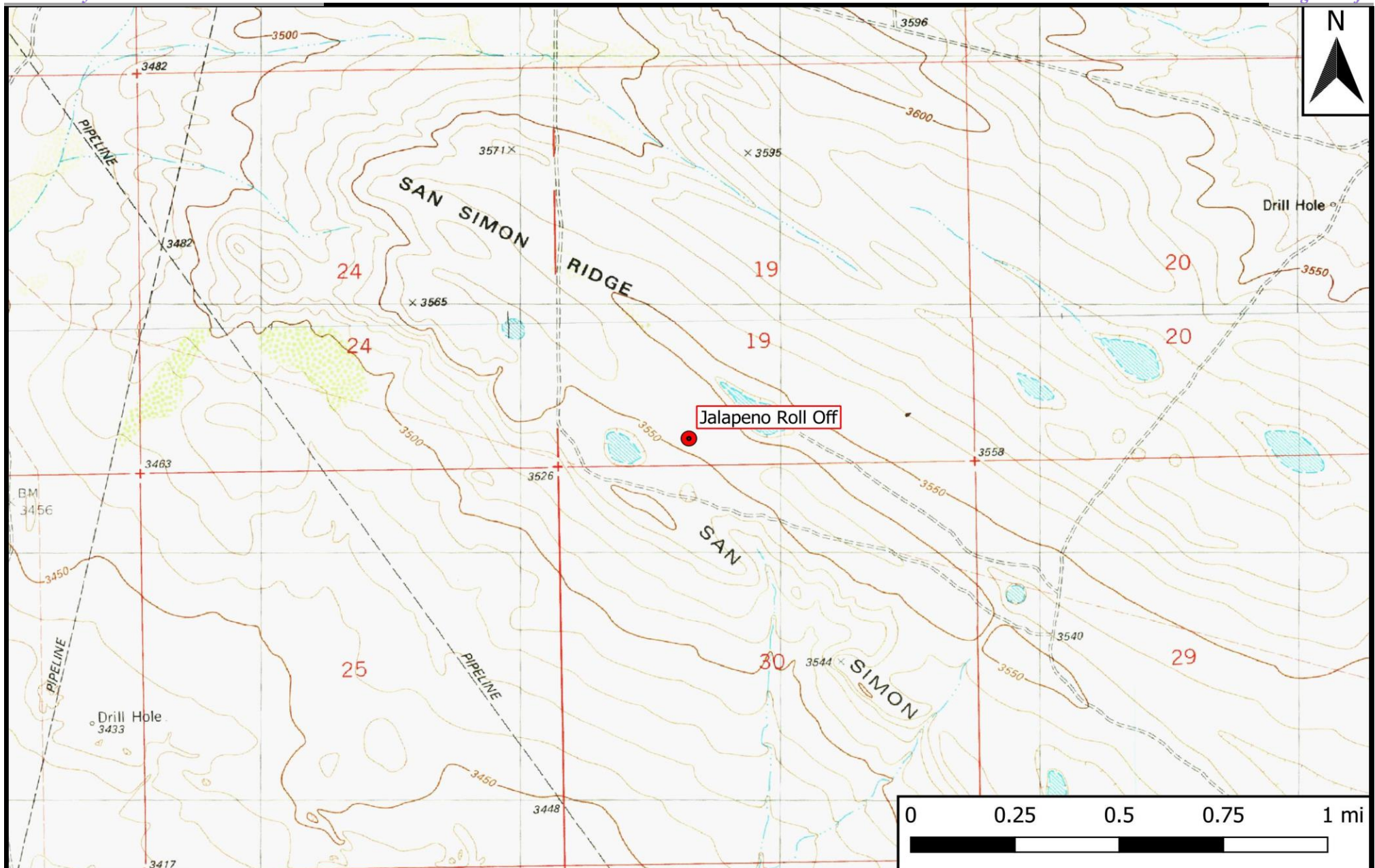
*Carlsbad, NM 88220*

*(Electronic Submission)*

# **Figure 1**

## **Topographic Map**





## Legend

● Site Location

## Figure 1

Topographic Map  
Goodnight Midstream Permian, LLC  
Jalapeno Roll Off  
GPS: 32.370868, -103.409807  
Lea County

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Environmental & Safety Solutions, Inc.

Drafted: mag

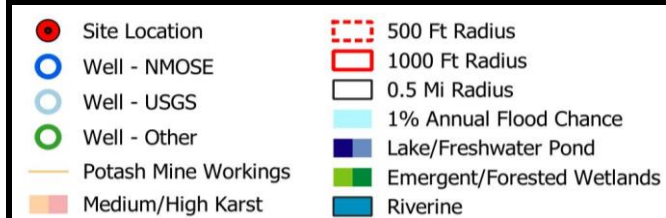
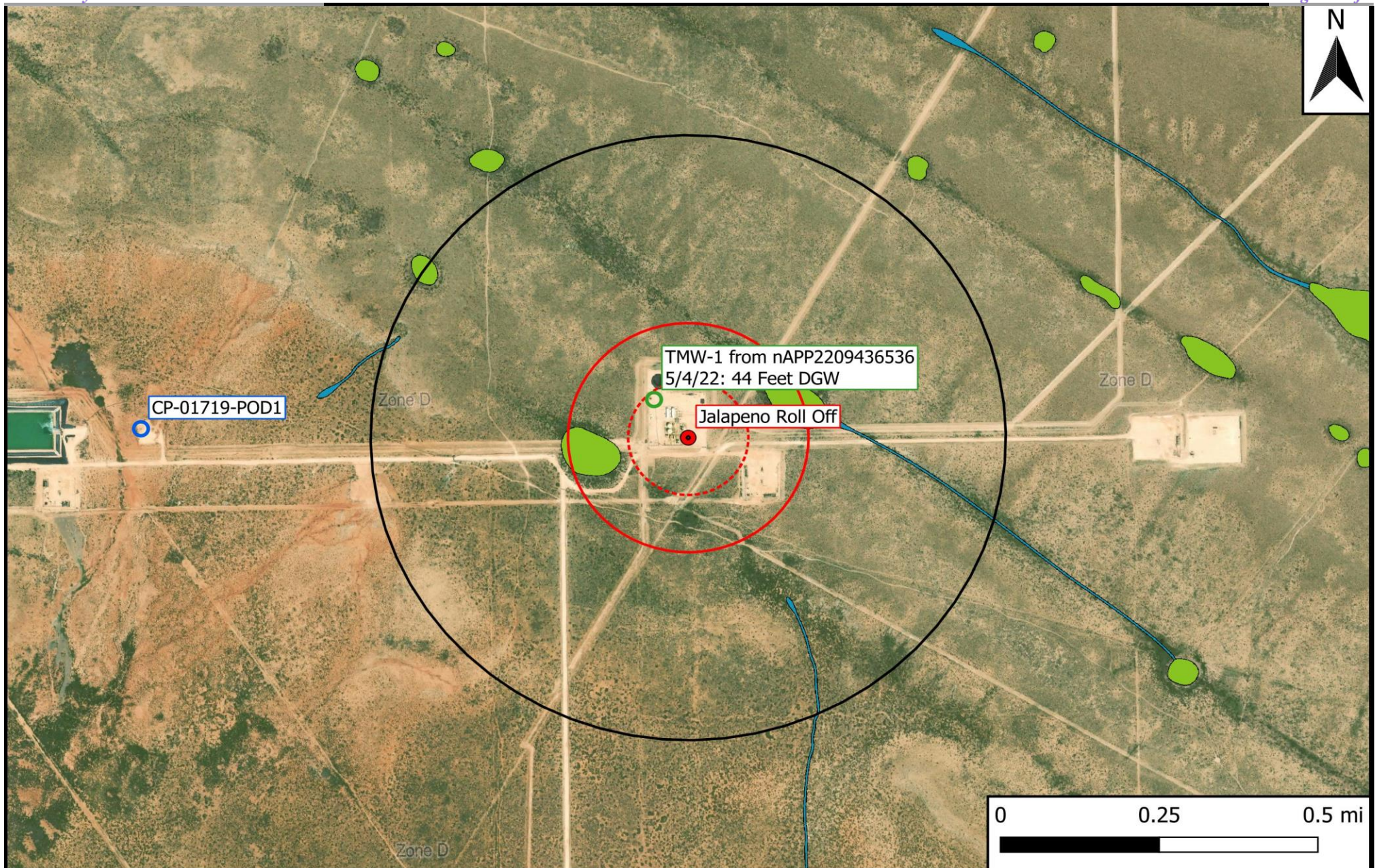
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Date: 8/9/24

## **Figure 2**

### **Aerial Proximity Map**





**Figure 2**  
 Aerial Proximity Map  
 Goodnight Midstream Permian, LLC  
 Jalapeno Roll Off  
 GPS: 32.370868, -103.409807  
 Lea County



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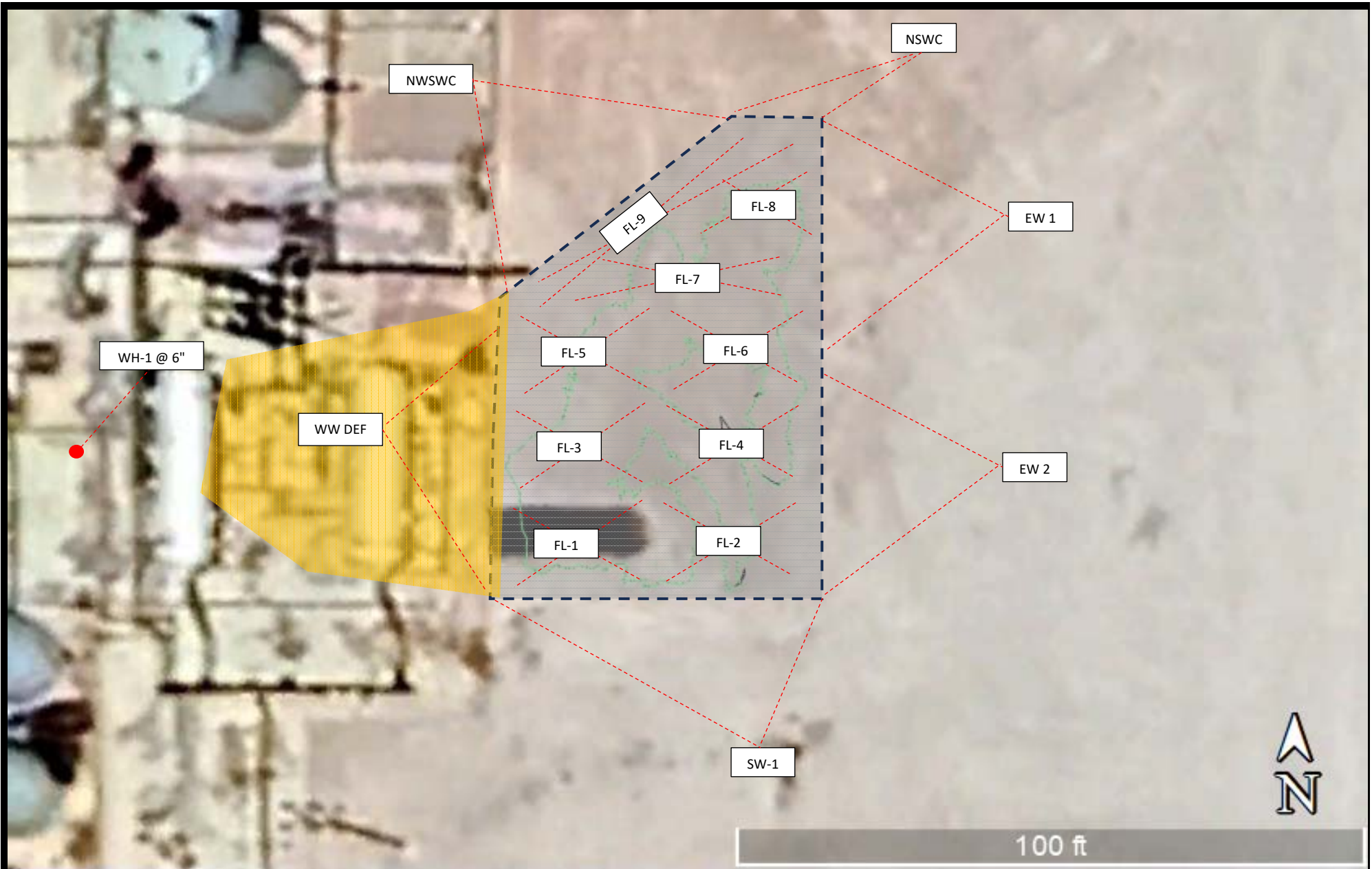
Checked: jwl

Date: 8/9/24



## **Figure 3**

### **Site and Sample Location Map**



<p><b>Legend:</b></p> <ul style="list-style-type: none"><li> Sample Point</li><li> Excavated Area</li><li> Affected Area</li></ul>	<p align="center"><b>Figure 3</b> Site and Sample Location Map Goodnight Midstream Permian, LLC Jalapeno Roll Off GPS: 32.370868, -103.409807 Lea County</p>	<div data-bbox="1346 1318 2041 1461"></div> <div data-bbox="1346 1461 2041 1555"><p>Drafted:                      Checked: jwl                      Date: 10/18/24</p></div>
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**Table 1**  
**Concentrations of BTEX, TPH, and Chloride in Soil**

<b>Table 1</b> <b>Concentrations of BTEX, TPH, and Chloride in Soil</b> <b>Goodnight Midstream Permian, LLC</b> <b>Jalapeno Roll Off</b> <b>NMOCD Ref. #: nAPP2422538949</b>											
NMOCD Closure Criteria				10	50	-	-	-	-	100	600
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				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)
FL 1 @ 5'	9/26/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
FL 2 @ 3'	9/20/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	544
FL 3 @ 4'	9/26/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
FL 4 @ 4.5'	9/26/2024	4.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>736</b>
FL 4 @ 5'	10/3/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 5 @ 3'	9/20/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
FL 6 @ 4.5'	9/26/2024	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432
FL 7 @ 3'	9/20/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 8 @ 3'	9/20/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432
FL 9 @ 3'	10/3/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
EW 1	9/20/2024	0-	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
EW 2	9/20/2024	0-4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
NSW B	9/26/2024	0-4.5	Excavated	0.120	0.497	<10.0	<10.0	<20.0	<10.0	<30.0	<b>2,320</b>
NSWC	10/3/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
NWSW B	9/26/2024	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>672</b>
NWSWC	10/3/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
SW 1	9/20/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
WH 1 @ 6"	10/3/2024	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
WW DEF	9/20/2024	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>2,720</b>
Backfill	10/22/2024	N/A	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0

Dash (-): Sample not analyzed for that constituent.

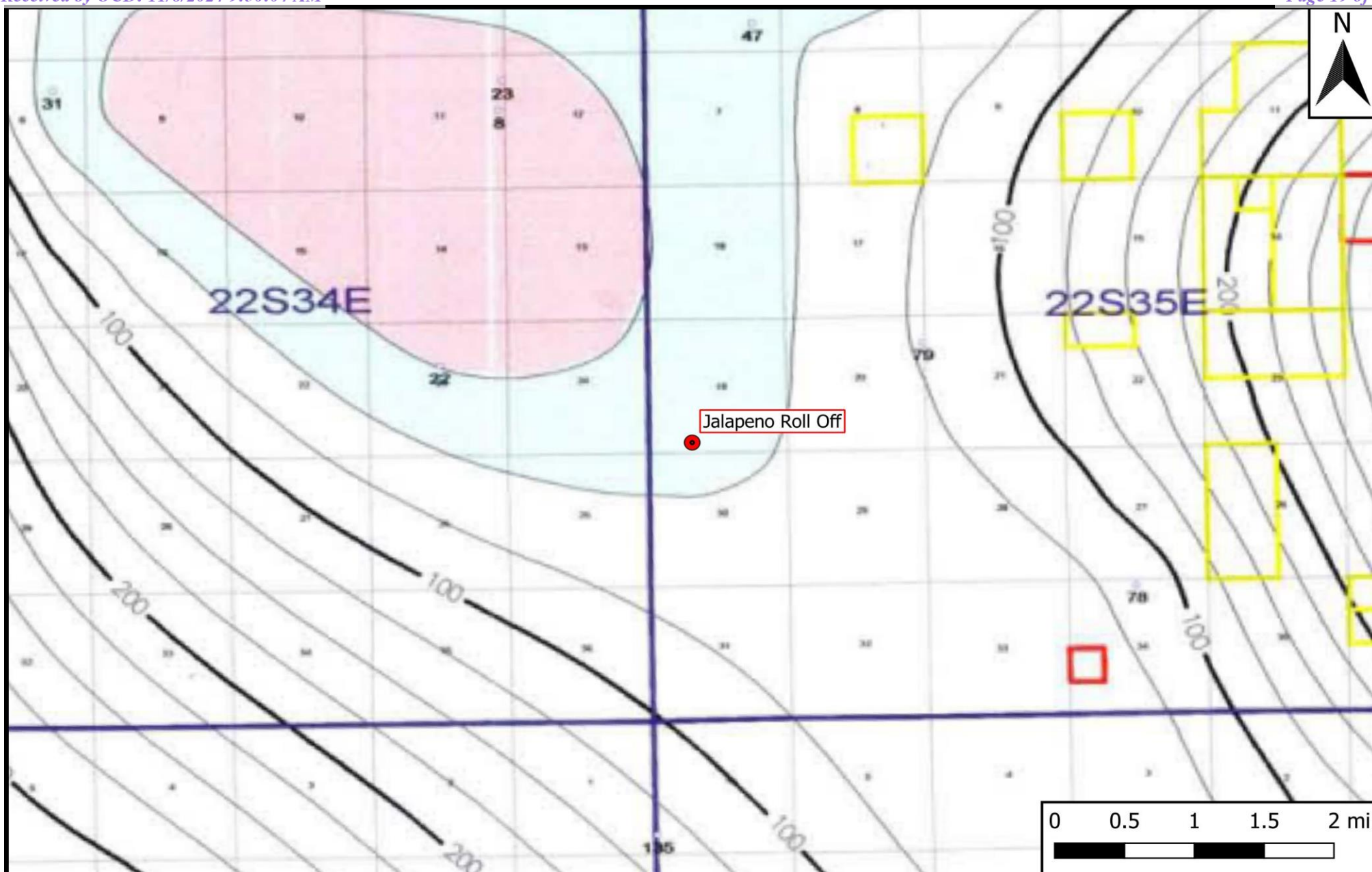
Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

## **Appendix A**

### **Depth to Groundwater Information**



## Legend

● Site Location

## Figure 4

Inferred Depth to Groundwater Trend Map  
 Goodnight Midstream Permian, LLC  
 Jalapeno Roll Off  
 GPS: 32.370868, -103.409807  
 Lea County

**eTECH**  
 Environmental & Safety Solutions, Inc.

Drafted: mag

Checked: jwl

Date: 8/9/24



## Soil Boring/Temporary Monitor Well TMW-1


<b>Company:</b> Goodnight Midstream Permian, LLC <b>Site:</b> Jalapeno RP <b>NMOCD Reference #:</b> nAPP2132245281 <b>Location:</b> Lea Co., NM <b>PLSS:</b> U/L "N", Sec. 19, T22S, R35E			<b>Well/Borehole ID:</b> TMW-1 <b>Coordinates (NAD 83):</b> 32.371791,-103.410713 <b>Drilling Date:</b> 5/4/2022 <b>Depth of Boring (ft):</b> 80 <b>Depth to Groundwater (ft):</b> 44 <b>Plugging Date:</b> 6/1/2022			<b>Drilling Company:</b> Scarborough Drilling, Inc. <b>Driller:</b> L. Scarborough <b>Drilling Method:</b> Air Rotary <b>Logged By:</b> L. Scarborough <b>Drafted By:</b> B. Arguijo <b>Draft Date:</b> 6/10/2022		
<b>Completion:</b> N/A			<b>Casing:</b> 2" PVC			<b>Screen:</b> 0.1" Slotted		
<b>Comments:</b> Temporary monitor well advanced in northwest corner of production pad.								
Depth (ft)	Groundwater	Lithology	Material Description	Chloride Field Test	Petroleum Odor	Petroleum Stain	Well Construction	
5			Caliche pad Caliche fines	-	-	-		
10			Sand	-	-	-		
15				-	-	-		
20				-	-	-		
25				-	-	-		
30				-	-	-		
35				-	-	-		
40				-	-	-		
45				-	-	-		
50				-	-	-		
55				-	-	-		
60				-	-	-		
65				-	-	-		
70				-	-	-		
75				-	-	-		
80				-	-	-		
85			Notes: • Lines between material types represent approximate boundaries. Actual transitions may be gradual.					
90								
95								

**Disclaimer** This bore log is intended for environmental not geotechnical purposes.



# Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE  
quarters are smallest to largest  
NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tw	Rng	X	Y	Map
NA	CP 01719 POD1	SE	SE	SW	24	22S	34E	648215.0	3582680.2	

\* UTM location was derived from PLSS - see Help

Driller License:	421	Driller Company:	GLENN'S WATER WELL SERVICE		
Driller Name:	GLENN, CLARK A."CORKY", CE				
Drill Start Date:	2019-05-20	Drill Finish Date:	2019-05-24	Plug Date:	
Log File Date:	2019-06-10	PCW Rcv Date:		Source:	Artesian
Pump Type:		Pipe Discharge Size:		Estimated Yield:	100
Casing Size:	8.00	Depth Well:	1173	Depth Water:	838

## Water Bearing Stratifications:

Top	Bottom	Description
826	857	Shale/Mudstone/Siltstone
857	953	Shale/Mudstone/Siltstone
953	1150	Sandstone/Gravel/Conglomerate
1150	1173	Shale/Mudstone/Siltstone

## Casing Perforations:

Top	Bottom
753	1173

## Meter Information

Meter Number:	20158	Meter Make:	SEAMETRICS
Meter Serial Number:	10 200 093	Meter Multiplier:	1.0000
Number of Dials:	8	Meter Type:	Diversion
Unit of Measure:	Barrels 42 gal.	Reading Frequency:	Monthly

## Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2020-04-30	2020	11980.000	A	ad		0.000	
2020-05-31	2020	11980.000	A	ad		0.000	
2020-06-30	2020	11980.000	A	ad		0.000	
2020-07-31	2020	11980.000	A	ad		0.000	
2020-08-31	2020	11980.000	A	ad		0.000	
2020-09-30	2020	11980.000	A	ad		0.000	
2020-10-31	2020	11980.000	A	ad		0.000	
2020-11-30	2020	11980.000	A	ad		0.000	
2020-12-31	2020	11980.000	A	ad		0.000	
2021-01-31	2021	11980.000	A	ad		0.000	
2021-02-20	2021	0.000	A	ad		0.000	
2021-02-28	2021	3493.000	A	ad		0.450	
2021-03-31	2021	3493.000	A	ad		0.000	
2021-04-30	2021	6905.000	A	ad		0.440	
2021-05-31	2021	47818.000	A	ad		5.273	
2021-06-30	2021	59007.000	A	ad		1.442	
2021-07-31	2021	78515.000	A	ad		2.514	
2021-08-31	2021	119887.000	A	ad		5.333	
2021-09-30	2021	163769.000	A	ad		5.656	
2021-10-31	2021	195376.000	A	ad		4.074	
2021-11-30	2021	226335.000	A	ad		3.990	
2021-12-26	2021	258461.000	A	ad		4.141	
2022-01-31	2022	299247.000	A	ad		5.257	
2022-02-28	2022	299273.000	A	ad		0.003	
2022-03-31	2022	299273.000	A	ad		0.000	
2022-04-30	2022	391169.000	A	ad		11.845	
2022-06-01	2022	395948.000	A	ad		0.616	
2022-07-01	2022	465704.000	A	ad		8.991	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2022-08-05	2022	503843.000	A	ad		4.916	
2022-09-01	2022	534781.000	A	ad		3.988	
2022-11-01	2022	534782.000	A	WEB		0.000	X
2022-12-01	2022	564473.000	A	WEB		3.827	X
2023-01-01	2022	570659.000	A	WEB		0.797	X
2023-02-01	2023	570666.000	A	WEB		0.001	X
2023-03-01	2023	629574.000	A	WEB		7.593	X
2023-04-01	2023	670661.000	A	WEB		5.296	X
2023-05-01	2023	670662.000	A	WEB		0.000	X
2023-06-01	2023	722663.000	A	WEB		6.703	X
2023-07-01	2023	780574.000	A	WEB		7.464	X
2023-08-01	2023	785760.000	A	WEB		0.668	X
2023-09-01	2023	785760.000	A	WEB		0.000	X
2023-10-01	2023	785760.000	A	WEB		0.000	X
2023-11-01	2023	813433.000	A	WEB		3.567	X
2023-12-01	2023	849272.000	A	WEB		4.619	X
2024-01-01	2023	891289.000	A	WEB		5.416	X
2024-02-01	2024	897627.000	A	WEB		0.817	X
2024-03-01	2024	909761.000	A	WEB		1.564	X
2024-04-01	2024	918893.000	A	WEB		1.177	X
2024-05-01	2024	958642.000	A	WEB		5.123	X
2024-06-07	2024	1002904.000	A	WEB		5.705	X
2024-07-01	2024	1002904.000	A	WEB		0.000	X
2024-08-01	2024	1002904.000	A	WEB		0.000	X

YTD Meter Amounts:

Year	Amount
2020	0.000

Year	Amount
2021	33.313
2022	40.240
2023	41.327
2024	14.386

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



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

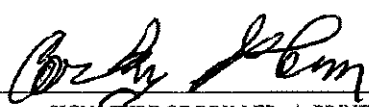
[www.ose.state.nm.us](http://www.ose.state.nm.us)

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) CP-1719-POD1 MLP East		WELL TAG ID NO.		OSE FILE NO(S)			
	WELL OWNER NAME(S) Merchant Livestock Company/Glenn's Water Well Service, Inc.				PHONE (OPTIONAL) 575-398-2424			
	WELL OWNER MAILING ADDRESS PO Box 692				CITY Tatum	STATE NM	ZIP 88267	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 22	SECONDS 16.56	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE -103	25	28.38	W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE1/4 SE1/4 Section 24, Township 22 South, Range 34 East on Merchant Livestock Company Land								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD 421		NAME OF LICENSED DRILLER Corky Glenn			NAME OF WELL DRILLING COMPANY Glenn's Water Well Service, Inc.		
	DRILLING STARTED 05/20/19		DRILLING ENDED 05/24/19		DEPTH OF COMPLETED WELL (FT) 1,173	BORE HOLE DEPTH (FT) 1,173	DEPTH WATER FIRST ENCOUNTERED (FT) 838'	
	COMPLETED WELL IS: <input checked="" type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 405'		
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	40	20"	ASTM A53 Sch 40 Steel 16" OD	None	15.5	.25	---
	0	788	14.75"	API Steel Grade J-55/K-55 10.75" OD	Thread & Collar	10.05	.35	---
	753	1,173	9.875"	Steel Casing 8 5/8" / 8.625" OD	Plain End	8.125	.25	1/8"
			(420' Total) Bottom 378 Perforated					
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	40'	20"	Cemented	2 yards	Top Pour		
	0	788'	14.75"	Float and Shoe Cemented to Surface 47 Barrels	405 Sacks Pumped	Circulated		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	CP-1719	POD NO.	171370	TRN NO.	POD 1
LOCATION	22S-34E-24-349				WELL TAG ID NO.
					PAGE 1 OF 2

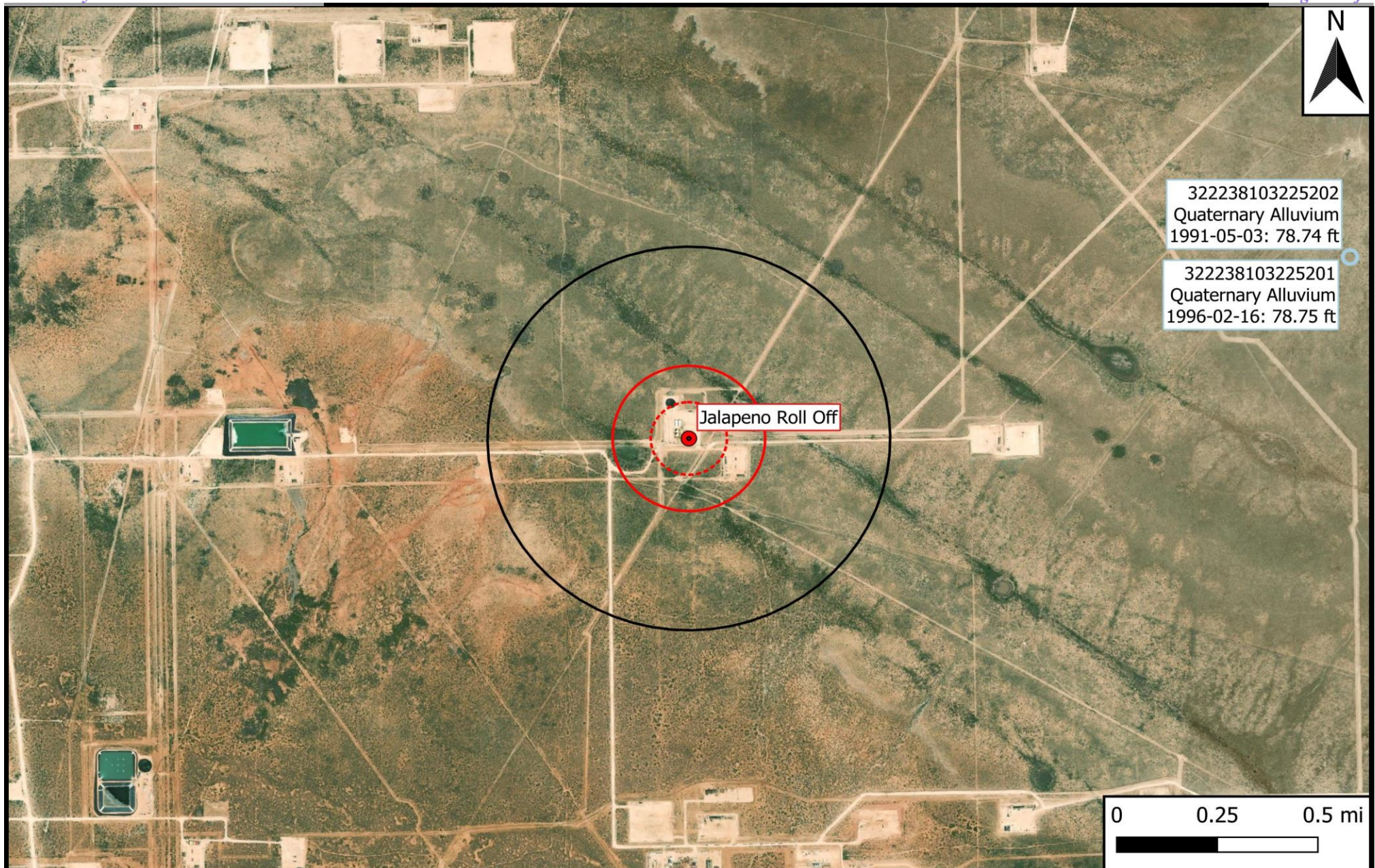
4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	8	8	Clay	Y ✓ N	
	8	25	17	Caliche	Y ✓ N	
	25	120	95	Sand & Red Clay	Y ✓ N	
	120	500	380	Red Clay & Shale	Y ✓ N	
	500	728	228	Brown Shale	Y ✓ N	
	728	788	60	Red Shale & Clay	Y ✓ N	
	788	794	6	Red Shale & Clay	Y ✓ N	
	794	826	32	Red Shale & some Blue Clay	Y ✓ N	
	826	857	31	Blue Sand Shale	✓ Y N	
	857	953	96	Red Sand & Shale	✓ Y N	
	953	1,150	197	Sand	✓ Y N	100.00
	1,150	1,173	23	Red Shale	✓ 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:					TOTAL ESTIMATED WELL YIELD (gpm): 100.00	
<input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:						
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:					
	0' to 788' drilled with mud. 788' to 1,173' drilled with air and foam.					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:						
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:					
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME				6/14/19 DATE	

FOR USE INTERNAL USE

WR-20 WELL RECORD &amp; LOG (Version 06/30/2017)

FILE NO. CP-1719	POD NO. 1	TRN NO. 671370
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2



**Legend**

- Site Location
- Well - USGS
- ⊞ 500 Ft Radius
- ⊞ 1000 Ft Radius
- ⊞ 0.5 Mi Radius

**Figure 5**

USGS Well Proximity Map  
Goodnight Midstream Permian, LLC  
Jalapeno Roll Off  
GPS: 32.370868, -103.409807  
Lea County



Drafted: mag

Checked: jwl

Date: 8/9/24





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[Contact USGS](#)  
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## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

[Click for News Bulletins](#)

[Groundwater levels for the Nation](#)

**!** Important: [Next Generation Monitoring Location Page](#)

### Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 322238103225202

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

### USGS 322238103225202 22S.35E.20.22442A

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°22'38", Longitude 103°22'52" NAD27

Land-surface elevation 3,539 feet above NAVD88

The depth of the well is 96 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

#### Output formats

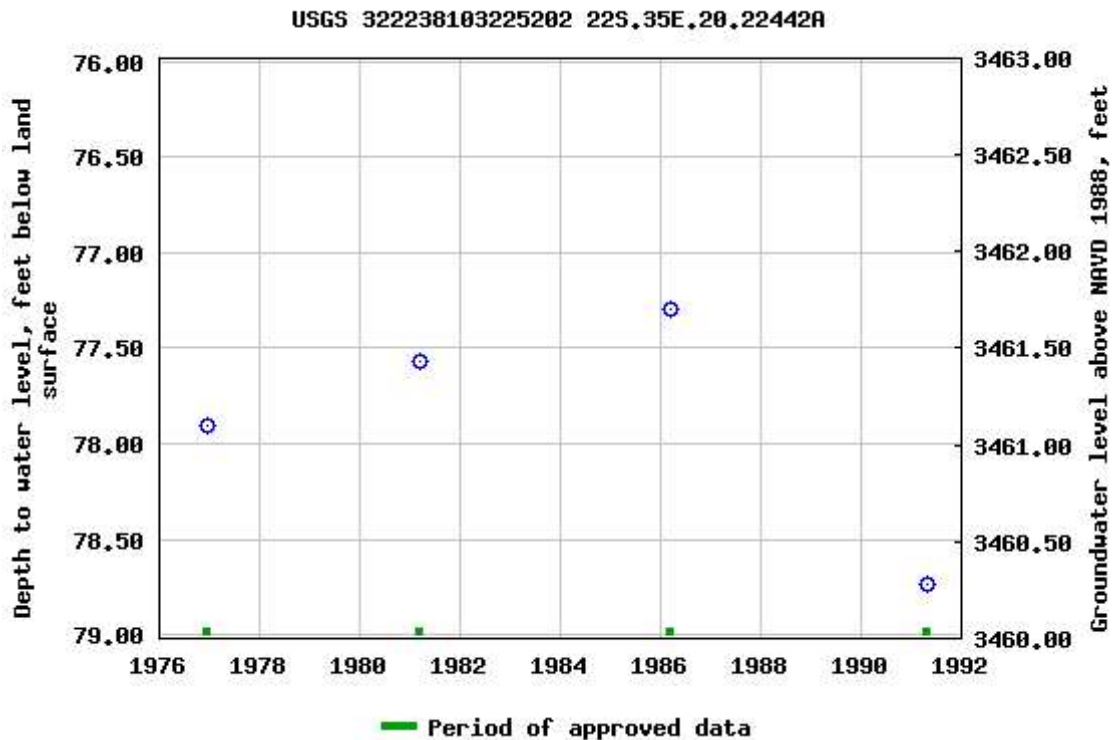
[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)





Breaks in the plot represent a gap of at least one year between field measurements.

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**Title: Groundwater for USA: Water Levels**

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



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2024-08-09 16:10:45 EDT

0.57 0.51 nadww01



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## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

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Important: [Next Generation Monitoring Location Page](#)

### Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 322238103225201

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

### USGS 322238103225201 22S.35E.20.22442

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°22'38", Longitude 103°22'52" NAD27

Land-surface elevation 3,539 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

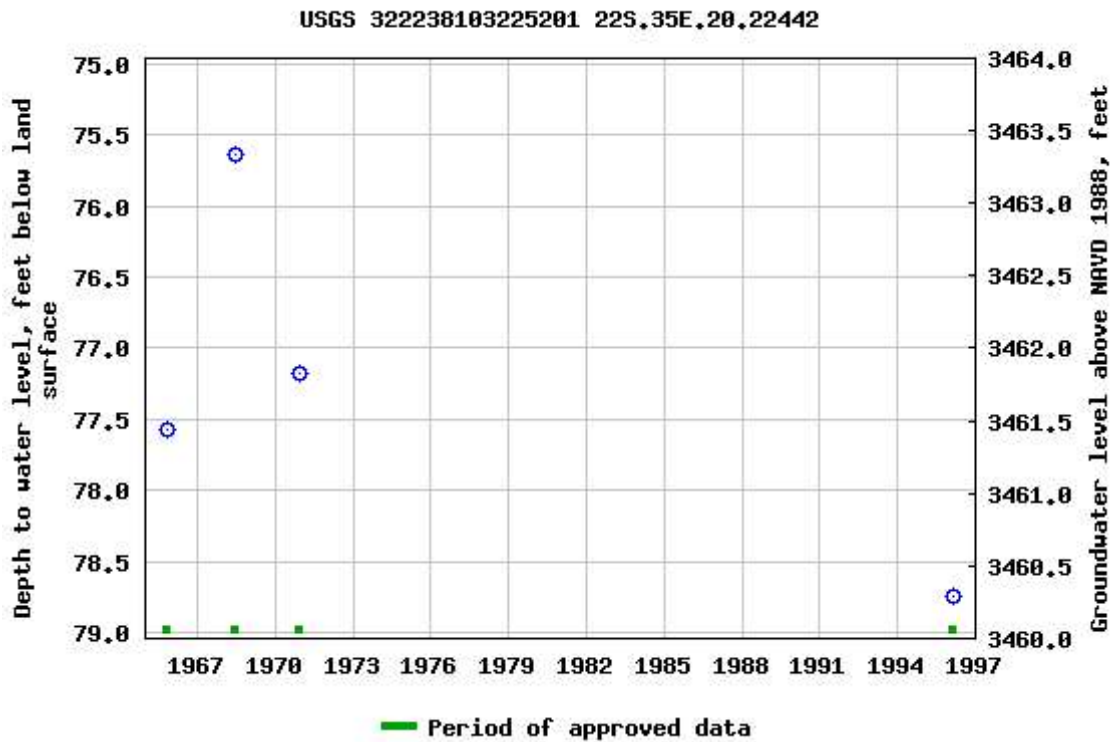
#### Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.

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**Title: Groundwater for USA: Water Levels**

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



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2024-08-09 16:10:45 EDT

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## **Appendix B**

### **Field Data and Soil Profile Logs**

## Sample Log

Project: Jalapeno Roll Off

Date: 9/20/24

Project Number: 20956

Latitude: 32.370868

Longitude: 101.409803

Sample ID	PID/Odor	Chloride Conc.	GPS
SW-1	swd	612.0	
SW-2	swd	1232	
FLW-1	swd	165	
FLW-2	swd	688	
FLW-3		1488	
FL-1		168	
FL-2		550.2	
FL-3		524	
FL-4		577.9	
FL-5		230	
FL-6		474	
FL-7		134	
FL-8		224	
FL-9		572	
FL-10		572	
FL-11		572	
FL-12		572	
FL-13		572	
FL-14		572	
FL-15		572	
FL-16		572	
FL-17		572	
FL-18		572	
FL-19		572	
FL-20		572	
FL-21		572	
FL-22		572	
FL-23		572	
FL-24		572	
FL-25		572	
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FL-98		572	
FL-99		572	
FL-100		572	

NWSU

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Sample Point - SP 01 @ 0' to 10'

Sample Point - SP 02 @ 10' to 20'

Sample Point - SP 03 @ 20' to 30'

Sample Point - SP 04 @ 30' to 40'

Sample Point - SP 05 @ 40' to 50'

Sample Point - SP 06 @ 50' to 60'

Sample Point - SP 07 @ 60' to 70'

Sample Point - SP 08 @ 70' to 80'

Sample Point - SP 09 @ 80' to 90'





## Initial Release Assessment Form

Project: Jalapeno Roll Off  
 Project Number: 20956

Clean Up Level: 52.970858  
 Latitude: 32.970858

Date: 7/18/14  
 600 mg/kg Cl-, 100 mg/kg TPH  
 Longitude: -103.409807

Site Diagram



Notes: Collected Confirmation Samples  
Field Screen  
Place on Ice

Length: 45

Width: 10-25

Area: 1500

Depth: 30

- 1-4 Representative Pictures of the Affected Area including sample locations?  
 Necessary Samples Field Screened and on Ice?  
 Sample and Field Screen Data Entered on Sample Log?  
 Was horizontal and vertical delineation achieved?

Yes ☒ No ☐  
☒ ☐  
☒ ☐  
☒ ☐



Soil Profile

Date:10/3/2024

Project:Jalapeno Roll Off

Project Number:20956Latitude:32.370868Longitude:-103.409807

Depth (ft. bgs)	Description
1	Imported Fill
2	
3	Caliche/Hard Rock
4	
5	
6	Total Depth 6'
7	
8	
9	
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11	
12	
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## **Appendix C**

### **Laboratory Analytical Reports**



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

---

September 11, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO ROLL OFF

Enclosed are the results of analyses for samples received by the laboratory on 09/06/24 8:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/06/2024  
 Reported: 09/11/2024  
 Project Name: JALAPENO ROLL OFF  
 Project Number: 20956  
 Project Location: GOODNIGHT 32.370868, -103.409807

Sampling Date: 09/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V 1 @ 3' (H245396-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	09/09/2024	ND	400	100	400	7.69	
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	09/06/2024	ND	202	101	200	1.39	
DRO >C10-C28*	<10.0	10.0	09/06/2024	ND	191	95.3	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/06/2024	ND					
Surrogate: 1-Chlorooctane	83.7 %	48.2-134							
Surrogate: 1-Chlorooctadecane	87.1 %	49.1-148							

**Sample ID: V 2 @ 3' (H245396-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	09/09/2024	ND	400	100	400	7.69	
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	09/07/2024	ND	202	101	200	1.39	
DRO >C10-C28*	<10.0	10.0	09/07/2024	ND	191	95.3	200	2.74	
EXT DRO >C28-C36	<10.0	10.0	09/07/2024	ND					
Surrogate: 1-Chlorooctane	87.1 %	48.2-134							
Surrogate: 1-Chlorooctadecane	91.8 %	49.1-148							

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/06/2024  
 Reported: 09/11/2024  
 Project Name: JALAPENO ROLL OFF  
 Project Number: 20956  
 Project Location: GOODNIGHT 32.370868, -103.409807

Sampling Date: 09/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NH 1 @ 3" (H245396-03)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: CT							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/09/2024	ND	400	100	400	7.69		
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	09/07/2024	ND	202	101	200	1.39		
DRO >C10-C28*	<10.0	10.0	09/07/2024	ND	191	95.3	200	2.74		
EXT DRO >C28-C36	<10.0	10.0	09/07/2024	ND						
Surrogate: 1-Chlorooctane	74.2 %	48.2-134								
Surrogate: 1-Chlorooctadecane	74.3 %	49.1-148								

**Sample ID: EH 1 @ 3" (H245396-04)**

Chloride, SM4500Cl-B		mg/kg	Analyzed By: CT							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/09/2024	ND	400	100	400	7.69		
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	09/06/2024	ND	206	103	200	4.57		
DRO >C10-C28*	<10.0	10.0	09/06/2024	ND	204	102	200	1.84		
EXT DRO >C28-C36	<10.0	10.0	09/06/2024	ND						
Surrogate: 1-Chlorooctane	101 %	48.2-134								
Surrogate: 1-Chlorooctadecane	98.5 %	49.1-148								

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/06/2024  
 Reported: 09/11/2024  
 Project Name: JALAPENO ROLL OFF  
 Project Number: 20956  
 Project Location: GOODNIGHT 32.370868, -103.409807

Sampling Date: 09/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: EH 1C @ 1' (H245396-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	09/09/2024	ND	400	100	400	7.69	
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	09/06/2024	ND	206	103	200	4.57	
DRO >C10-C28*	<10.0	10.0	09/06/2024	ND	204	102	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	09/06/2024	ND					
Surrogate: 1-Chlorooctane	124 %	48.2-134							
Surrogate: 1-Chlorooctadecane	133 %	49.1-148							

**Sample ID: SEH 1 @ 6" (H245396-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/09/2024	ND	400	100	400	7.69	
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	09/06/2024	ND	206	103	200	4.57	
DRO >C10-C28*	<10.0	10.0	09/06/2024	ND	204	102	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	09/06/2024	ND					
Surrogate: 1-Chlorooctane	107 %	48.2-134							
Surrogate: 1-Chlorooctadecane	113 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/06/2024  
 Reported: 09/11/2024  
 Project Name: JALAPENO ROLL OFF  
 Project Number: 20956  
 Project Location: GOODNIGHT 32.370868, -103.409807

Sampling Date: 09/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SH 1B @ 3" (H245396-07)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/09/2024	ND	400	100	400	7.69	
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	09/06/2024	ND	206	103	200	4.57	
DRO >C10-C28*	<10.0	10.0	09/06/2024	ND	204	102	200	1.84	
EXT DRO >C28-C36	<10.0	10.0	09/06/2024	ND					
Surrogate: 1-Chlorooctane	101 %	48.2-134							
Surrogate: 1-Chlorooctadecane	102 %	49.1-148							

**Sample ID: WH 1 @ 3" (H245396-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/09/2024	ND	400	100	400	7.69	
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	09/06/2024	ND	206	103	200	4.57	
DRO >C10-C28*	1270	10.0	09/06/2024	ND	204	102	200	1.84	
EXT DRO >C28-C36	446	10.0	09/06/2024	ND					
Surrogate: 1-Chlorooctane	107 %	48.2-134							
Surrogate: 1-Chlorooctadecane	160 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager

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---

### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

---

Celey D. Keene, Lab Director/Quality Manager

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




## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Page 7 of 7

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Relinquished By: 		Date: 9-16-24 Time: 0817		Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: <a href="mailto:pm@etechenv.com">pm@etechenv.com</a>	
Relinquished By:		Date:		Received By:		REMARKS:	
		Time:					
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: -5.6°C Corrected Temp. °C: -4.2°C		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) 	
						Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #140 Correction Factor -0.6°C	
						Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C	





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---

October 01, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO ROLL OFF

Enclosed are the results of analyses for samples received by the laboratory on 09/26/24 8:38.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/26/2024  
 Reported: 10/01/2024  
 Project Name: JALAPENO ROLL OFF  
 Project Number: 20956  
 Project Location: GOODNIGHT 32.370868, -103.409807

Sampling Date: 09/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 2 @ 3' (H245837-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2024	ND	1.92	96.2	2.00	4.02	
Toluene*	<0.050	0.050	09/27/2024	ND	1.98	99.2	2.00	3.76	
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.00	100	2.00	3.60	
Total Xylenes*	<0.150	0.150	09/27/2024	ND	5.97	99.4	6.00	3.75	
Total BTX	<0.300	0.300	09/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	09/27/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	212	106	200	0.314	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	210	105	200	0.165	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/26/2024  
 Reported: 10/01/2024  
 Project Name: JALAPENO ROLL OFF  
 Project Number: 20956  
 Project Location: GOODNIGHT 32.370868, -103.409807

Sampling Date: 09/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 5 @ 3' (H245837-02)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2024	ND	1.92	96.2	2.00	4.02	
Toluene*	<0.050	0.050	09/27/2024	ND	1.98	99.2	2.00	3.76	
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.00	100	2.00	3.60	
Total Xylenes*	<0.150	0.150	09/27/2024	ND	5.97	99.4	6.00	3.75	
Total BTEX	<0.300	0.300	09/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	09/27/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	212	106	200	0.314	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	210	105	200	0.165	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/26/2024  
 Reported: 10/01/2024  
 Project Name: JALAPENO ROLL OFF  
 Project Number: 20956  
 Project Location: GOODNIGHT 32.370868, -103.409807

Sampling Date: 09/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 7 @ 3' (H245837-03)**

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2024	ND	1.92	96.2	2.00	4.02	
Toluene*	<0.050	0.050	09/27/2024	ND	1.98	99.2	2.00	3.76	
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.00	100	2.00	3.60	
Total Xylenes*	<0.150	0.150	09/27/2024	ND	5.97	99.4	6.00	3.75	
Total BTEX	<0.300	0.300	09/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/27/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	212	106	200	0.314	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	210	105	200	0.165	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/26/2024  
 Reported: 10/01/2024  
 Project Name: JALAPENO ROLL OFF  
 Project Number: 20956  
 Project Location: GOODNIGHT 32.370868, -103.409807

Sampling Date: 09/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 8 @ 3' (H245837-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2024	ND	2.09	104	2.00	7.75	
Toluene*	<0.050	0.050	09/27/2024	ND	2.00	100	2.00	8.03	
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.03	101	2.00	9.50	
Total Xylenes*	<0.150	0.150	09/27/2024	ND	6.12	102	6.00	10.3	
Total BTEX	<0.300	0.300	09/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	09/27/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	212	106	200	0.314	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	210	105	200	0.165	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/26/2024  
 Reported: 10/01/2024  
 Project Name: JALAPENO ROLL OFF  
 Project Number: 20956  
 Project Location: GOODNIGHT 32.370868, -103.409807

Sampling Date: 09/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: EW 1 (H245837-05)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2024	ND	2.09	104	2.00	7.75	
Toluene*	<0.050	0.050	09/27/2024	ND	2.00	100	2.00	8.03	
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.03	101	2.00	9.50	
Total Xylenes*	<0.150	0.150	09/27/2024	ND	6.12	102	6.00	10.3	
Total BTEX	<0.300	0.300	09/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/27/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	212	106	200	0.314	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	210	105	200	0.165	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/26/2024  
 Reported: 10/01/2024  
 Project Name: JALAPENO ROLL OFF  
 Project Number: 20956  
 Project Location: GOODNIGHT 32.370868, -103.409807

Sampling Date: 09/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: EW 2 (H245837-06)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2024	ND	2.09	104	2.00	7.75	
Toluene*	<0.050	0.050	09/27/2024	ND	2.00	100	2.00	8.03	
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.03	101	2.00	9.50	
Total Xylenes*	<0.150	0.150	09/27/2024	ND	6.12	102	6.00	10.3	
Total BTEX	<0.300	0.300	09/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/27/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	212	106	200	0.314	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	210	105	200	0.165	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/26/2024  
 Reported: 10/01/2024  
 Project Name: JALAPENO ROLL OFF  
 Project Number: 20956  
 Project Location: GOODNIGHT 32.370868, -103.409807

Sampling Date: 09/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW 1 (H245837-07)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/27/2024	ND	2.09	104	2.00	7.75	
Toluene*	<0.050	0.050	09/27/2024	ND	2.00	100	2.00	8.03	
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.03	101	2.00	9.50	
Total Xylenes*	<0.150	0.150	09/27/2024	ND	6.12	102	6.00	10.3	
Total BTEX	<0.300	0.300	09/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/27/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	212	106	200	0.314	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	210	105	200	0.165	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 09/26/2024  
 Reported: 10/01/2024  
 Project Name: JALAPENO ROLL OFF  
 Project Number: 20956  
 Project Location: GOODNIGHT 32.370868, -103.409807

Sampling Date: 09/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: WW DEF (H245837-08)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/27/2024	ND	2.09	104	2.00	7.75		
Toluene*	<0.050	0.050	09/27/2024	ND	2.00	100	2.00	8.03		
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.03	101	2.00	9.50		
Total Xylenes*	<0.150	0.150	09/27/2024	ND	6.12	102	6.00	10.3		
Total BTEX	<0.300	0.300	09/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2720	16.0	09/27/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	212	106	200	0.314	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	210	105	200	0.165	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

S-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

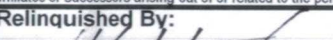
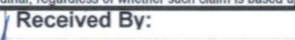


**101 East Marland, Hobbs, NM 88240**  
**(575) 393-2326 FAX (575) 393-2476**

Page 1 of 1

Company Name: Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																								
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (8015M)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX (8021B)</div> </div>																								
Address: 2617 West Marland				Company: Goodnight Midstream																												
City: Hobbs State: NM Zip: 88240				Attn: Ralph Tijerina																												
Phone #: (575) 264-9884 Fax #:				Address:																												
Project #: 20956 Project Owner: Goodnight Midstream				City:																												
Project Name: Jalapeno Roll Off				State: Zip:																												
Project Location: 32.370868, -103.409807				Phone #:																												
Sampler Name: Miguel Ramirez				Fax #:																												
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	PRESERV.		SAMPLING																
														DATE	TIME																	
	1245837	FL 2 @ 3'	C	1			X					X			X	9/20/24		X	X	X												
	1245837	FL 5 @ 3'	C	1			X					X			X	9/20/24		X	X	X												
	1245837	FL 7 @ 3'	C	1			X					X			X	9/20/24		X	X	X												
	1245837	FL 8 @ 3'	C	1			X					X			X	9/20/24		X	X	X												
	1245837	EW 1	C	1			X					X			X	9/20/24		X	X	X												
	1245837	EW 2	C	1			X					X			X	9/20/24		X	X	X												
	1245837	SW 1	C	1			X					X			X	9/20/24		X	X	X												
	1245837	WW DEF	C	1			X					X			X	9/20/24		X	X	X												

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Relinquished By: 		Date: 9-26-24		Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:	
		Time: 838				All Results are emailed. Please provide Email address: <a href="mailto:pm@etechenv.com">pm@etechenv.com</a>	
Relinquished By:		Date:		Received By:		REMARKS:	
		Time:					
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY:	
Sampler - UPS - Bus - Other:		-6.0		Cool Intact		(Initials)	
		Corrected Temp. °C		<input type="checkbox"/> Yes <input type="checkbox"/> No		AD	
		-6.6		<input type="checkbox"/> Yes <input type="checkbox"/> No			
						Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
						Thermometer ID #140	
						Correction Factor -0.6°C	
						Bacteria (only) Sample Condition	
						Cool Intact Observed Temp. °C	
						<input type="checkbox"/> Yes <input type="checkbox"/> No	
						<input type="checkbox"/> No <input type="checkbox"/> No	
						Corrected Temp. °C	



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

---

October 02, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO ROLL OFF

Enclosed are the results of analyses for samples received by the laboratory on 10/01/24 8:27.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 10/01/2024  
 Reported: 10/02/2024  
 Project Name: JALAPENO ROLL OFF  
 Project Number: 20956  
 Project Location: GOODNIGHT 32.370868, -103.409807

Sampling Date: 09/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 1 @ 5' (H245940-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.18	109	2.00	3.01	
Toluene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	3.38	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.20	110	2.00	3.62	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.58	110	6.00	3.79	
Total BTEX	<0.300	0.300	10/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	10/01/2024	ND	416	104	400	7.41		

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	10/01/2024	ND	205	103	200	1.17	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	183	91.5	200	3.28	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 10/01/2024  
 Reported: 10/02/2024  
 Project Name: JALAPENO ROLL OFF  
 Project Number: 20956  
 Project Location: GOODNIGHT 32.370868, -103.409807

Sampling Date: 09/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 3 @ 4' (H245940-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/01/2024	ND	2.18	109	2.00	3.01		
Toluene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	3.38		
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.20	110	2.00	3.62		
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.58	110	6.00	3.79		
Total BTEX	<0.300	0.300	10/01/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	10/01/2024	ND	416	104	400	7.41		

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	10/01/2024	ND	205	103	200	1.17	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	183	91.5	200	3.28	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 10/01/2024  
 Reported: 10/02/2024  
 Project Name: JALAPENO ROLL OFF  
 Project Number: 20956  
 Project Location: GOODNIGHT 32.370868, -103.409807

Sampling Date: 09/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 4 @ 4.5' (H245940-03)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.18	109	2.00	3.01	
Toluene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	3.38	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.20	110	2.00	3.62	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.58	110	6.00	3.79	
Total BTEX	<0.300	0.300	10/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	10/01/2024	ND	416	104	400	7.41	

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	10/01/2024	ND	205	103	200	1.17	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	183	91.5	200	3.28	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 10/01/2024  
 Reported: 10/02/2024  
 Project Name: JALAPENO ROLL OFF  
 Project Number: 20956  
 Project Location: GOODNIGHT 32.370868, -103.409807

Sampling Date: 09/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 6 @ 4.5' (H245940-04)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.18	109	2.00	3.01	
Toluene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	3.38	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.20	110	2.00	3.62	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.58	110	6.00	3.79	
Total BTEX	<0.300	0.300	10/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	10/01/2024	ND	416	104	400	7.41	

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	10/01/2024	ND	205	103	200	1.17	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	183	91.5	200	3.28	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 10/01/2024  
 Reported: 10/02/2024  
 Project Name: JALAPENO ROLL OFF  
 Project Number: 20956  
 Project Location: GOODNIGHT 32.370868, -103.409807

Sampling Date: 09/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NWSW B (H245940-05)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2024	ND	2.18	109	2.00	3.01	
Toluene*	<0.050	0.050	10/01/2024	ND	2.13	107	2.00	3.38	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.20	110	2.00	3.62	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.58	110	6.00	3.79	
Total BTEX	<0.300	0.300	10/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	10/01/2024	ND	416	104	400	7.41	

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	10/01/2024	ND	205	103	200	1.17	
DRO >C10-C28*	<10.0	10.0	10/01/2024	ND	183	91.5	200	3.28	
EXT DRO >C28-C36	<10.0	10.0	10/01/2024	ND					

Surrogate: 1-Chlorooctane 79.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 10/01/2024  
 Reported: 10/02/2024  
 Project Name: JALAPENO ROLL OFF  
 Project Number: 20956  
 Project Location: GOODNIGHT 32.370868, -103.409807

Sampling Date: 09/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NSW B (H245940-06)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.120	0.050	10/01/2024	ND	2.18	109	2.00	3.01	
Toluene*	0.377	0.050	10/01/2024	ND	2.13	107	2.00	3.38	
Ethylbenzene*	<0.050	0.050	10/01/2024	ND	2.20	110	2.00	3.62	
Total Xylenes*	<0.150	0.150	10/01/2024	ND	6.58	110	6.00	3.79	
Total BTEX	0.497	0.300	10/01/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2320	16.0	10/01/2024	ND	416	104	400	7.41		

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	10/02/2024	ND	201	100	200	5.15	
DRO >C10-C28*	<10.0	10.0	10/02/2024	ND	195	97.5	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	10/02/2024	ND					

Surrogate: 1-Chlorooctane 76.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

- QM-07      The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND      Analyte NOT DETECTED at or above the reporting limit
- RPD      Relative Percent Difference
- \*\*      Samples not received at proper temperature of 6°C or below.
- \*\*\*      Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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

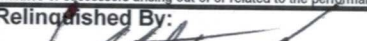


Celey D. Keene, Lab Director/Quality Manager

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

Page 1 of 1

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Relinquished By: 		Date: 10-1-24		Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
		Time: 0827				All Results are emailed. Please provide Email address: <a href="mailto:pm@etechenv.com">pm@etechenv.com</a>	
Relinquished By:		Date:		Received By:		REMARKS:	
		Time:				RUSH SAMPLES - 24 HOUR	
Delivered By: (Circle One)		Observed Temp. °C = 13		Sample Condition		Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C = 13.1		Cool <input type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition	
				CHECKED BY: (Initials) 		Cool <input type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
						Thermometer ID #140 Correction Factor -0.6°C	
						Observed Temp. °C Corrected Temp. °C	



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

---

October 10, 2024

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: JALAPENO ROLL OFF

Enclosed are the results of analyses for samples received by the laboratory on 10/04/24 15:13.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 10/04/2024  
 Reported: 10/10/2024  
 Project Name: JALAPENO ROLL OFF  
 Project Number: 20956  
 Project Location: GOODNIGHT 32.370868, -103.409807

Sampling Date: 10/03/2024  
 Sampling Type: Solid  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 4 @ 5' (H246069-01)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2024	ND	2.11	105	2.00	2.09	
Toluene*	<0.050	0.050	10/07/2024	ND	2.08	104	2.00	2.64	
Ethylbenzene*	<0.050	0.050	10/07/2024	ND	2.15	108	2.00	3.95	
Total Xylenes*	<0.150	0.150	10/07/2024	ND	6.51	109	6.00	4.05	
Total BTEX	<0.300	0.300	10/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/08/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2024	ND	204	102	200	0.897	
DRO >C10-C28*	<10.0	10.0	10/07/2024	ND	194	97.2	200	6.61	
EXT DRO >C28-C36	<10.0	10.0	10/07/2024	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 10/04/2024  
 Reported: 10/10/2024  
 Project Name: JALAPENO ROLL OFF  
 Project Number: 20956  
 Project Location: GOODNIGHT 32.370868, -103.409807

Sampling Date: 10/03/2024  
 Sampling Type: Solid  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 9 @ 3' (H246069-02)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2024	ND	2.11	105	2.00	2.09	
Toluene*	<0.050	0.050	10/07/2024	ND	2.08	104	2.00	2.64	
Ethylbenzene*	<0.050	0.050	10/07/2024	ND	2.15	108	2.00	3.95	
Total Xylenes*	<0.150	0.150	10/07/2024	ND	6.51	109	6.00	4.05	
Total BTEX	<0.300	0.300	10/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/08/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2024	ND	204	102	200	0.897	
DRO >C10-C28*	<10.0	10.0	10/07/2024	ND	194	97.2	200	6.61	
EXT DRO >C28-C36	<10.0	10.0	10/07/2024	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 10/04/2024  
 Reported: 10/10/2024  
 Project Name: JALAPENO ROLL OFF  
 Project Number: 20956  
 Project Location: GOODNIGHT 32.370868, -103.409807

Sampling Date: 10/03/2024  
 Sampling Type: Solid  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: WH 1 @ 6" (H246069-03)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/07/2024	ND	2.11	105	2.00	2.09		
Toluene*	<0.050	0.050	10/07/2024	ND	2.08	104	2.00	2.64		
Ethylbenzene*	<0.050	0.050	10/07/2024	ND	2.15	108	2.00	3.95		
Total Xylenes*	<0.150	0.150	10/07/2024	ND	6.51	109	6.00	4.05		
Total BTEX	<0.300	0.300	10/07/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	10/08/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2024	ND	204	102	200	0.897	
DRO >C10-C28*	<10.0	10.0	10/07/2024	ND	194	97.2	200	6.61	
EXT DRO >C28-C36	<10.0	10.0	10/07/2024	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 10/04/2024  
 Reported: 10/10/2024  
 Project Name: JALAPENO ROLL OFF  
 Project Number: 20956  
 Project Location: GOODNIGHT 32.370868, -103.409807

Sampling Date: 10/03/2024  
 Sampling Type: Solid  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: NWSWC (H246069-04)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2024	ND	2.11	105	2.00	2.09	
Toluene*	<0.050	0.050	10/07/2024	ND	2.08	104	2.00	2.64	
Ethylbenzene*	<0.050	0.050	10/07/2024	ND	2.15	108	2.00	3.95	
Total Xylenes*	<0.150	0.150	10/07/2024	ND	6.51	109	6.00	4.05	
Total BTX	<0.300	0.300	10/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	10/08/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2024	ND	204	102	200	0.897	
DRO >C10-C28*	<10.0	10.0	10/07/2024	ND	194	97.2	200	6.61	
EXT DRO >C28-C36	<10.0	10.0	10/07/2024	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 JOEL LOWRY  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 10/04/2024  
 Reported: 10/10/2024  
 Project Name: JALAPENO ROLL OFF  
 Project Number: 20956  
 Project Location: GOODNIGHT 32.370868, -103.409807

Sampling Date: 10/03/2024  
 Sampling Type: Solid  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: NSWC (H246069-05)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2024	ND	2.11	105	2.00	2.09	
Toluene*	<0.050	0.050	10/07/2024	ND	2.08	104	2.00	2.64	
Ethylbenzene*	<0.050	0.050	10/07/2024	ND	2.15	108	2.00	3.95	
Total Xylenes*	<0.150	0.150	10/07/2024	ND	6.51	109	6.00	4.05	
Total BTEX	<0.300	0.300	10/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	10/08/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2024	ND	204	102	200	0.897	
DRO >C10-C28*	<10.0	10.0	10/07/2024	ND	194	97.2	200	6.61	
EXT DRO >C28-C36	<10.0	10.0	10/07/2024	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.5 % 49.1-148

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\*=Accredited Analyte

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---

### Notes and Definitions

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

---

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

---

Celey D. Keene, Lab Director/Quality Manager



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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



## **Appendix D**

### **Photographic Log**

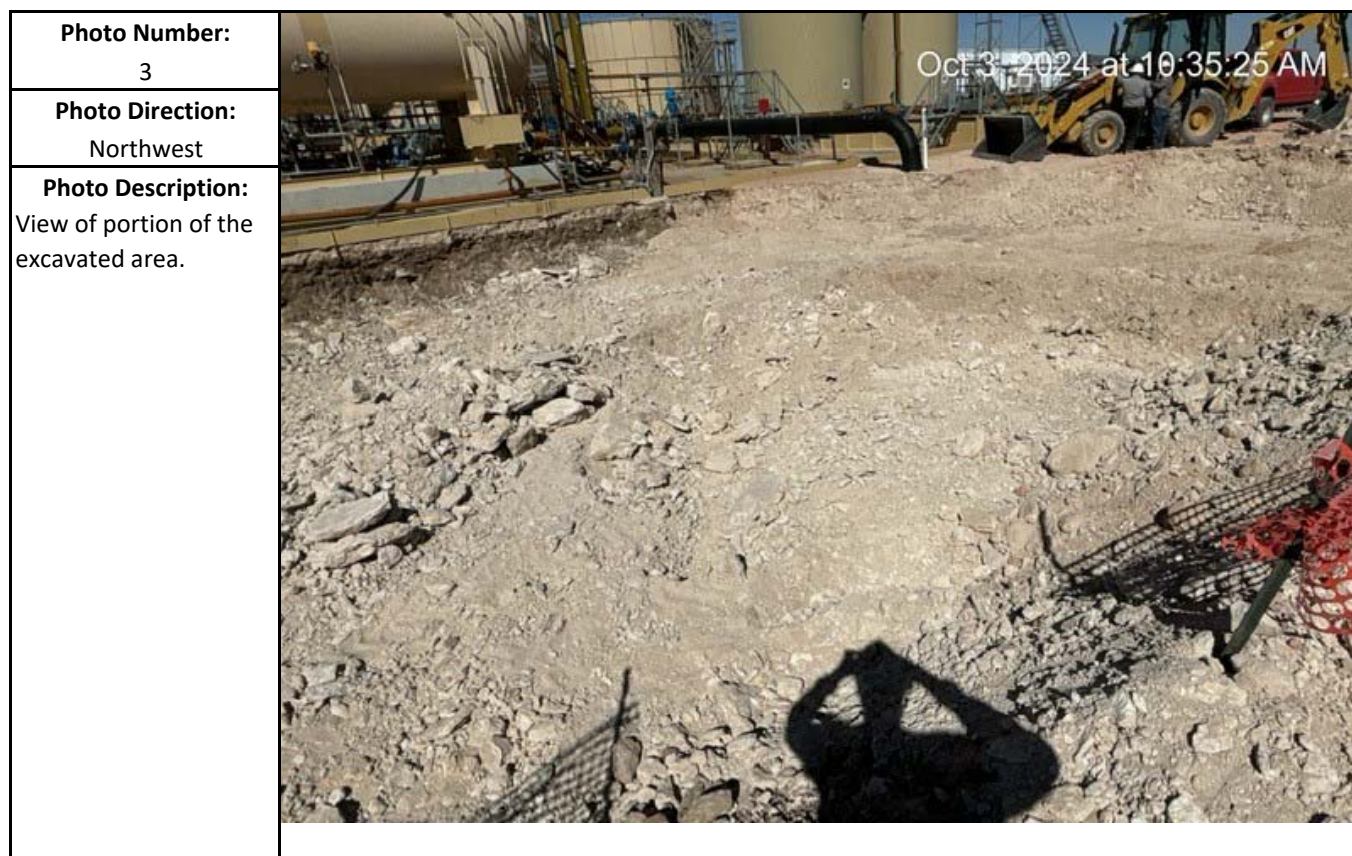
Photographic Log

<b>Photo Number:</b> 1	 <p>Oct 3, 2024 at 10:35:15 AM</p>
<b>Photo Direction:</b> Northwest	
<b>Photo Description:</b> View of potion of the excavated area.	

<b>Photo Number:</b> 2	 <p>11/4/24, 7:47 AM +32.371100,-103.409681 ±5.00m 296° NW</p>
<b>Photo Direction:</b> Southwest	
<b>Photo Description:</b> View of the excavated area.	



## Photographic Log





## Photographic Log



## **Appendix E**

### **Regulatory Correspondence**

OCD Permitting

Home    Operator Data    Action Status    Action Search Results    Action Status Item Details

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	383300	Districts:	Hobbs
Operator:	[372311] GOODNIGHT MIDSTREAM PERMIAN, LLC	Counties:	Lea
Description:	GOODNIGHT MIDSTREAM PERMIAN, LLC [372311] , Jalapeno CRP , nAPP2422538949		
Status:	APPROVED		
Status Date:	09/12/2024		
References (1):	nAPP2422538949		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2422538949
Incident Name	NAPP2422538949 JALAPENO CRP @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	Jalapeno CRP
Date Release Discovered	08/07/2024
Surface Owner	Private

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	2,800
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/17/2024
Time sampling will commence	10:00 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers	ETech - Jeol Lowery - 432.466.4450
Please provide any information necessary for navigation to sampling site	32.370868, -103.409807



Comments

No comments found for this submission.

Conditions

**Summary:**                      rtijerina (9/12/2024), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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OCD Permitting

Home    Operator Data    Action Status    Action Search Results    Action Status Item Details

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	383916	Districts:	Hobbs
Operator:	[372311] GOODNIGHT MIDSTREAM PERMIAN, LLC	Counties:	Lea
Description:	GOODNIGHT MIDSTREAM PERMIAN, LLC [372311] , Jalapeno CRP , nAPP2422538949		
Status:	APPROVED		
Status Date:	09/16/2024		
References (1):	nAPP2422538949		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2422538949
Incident Name	NAPP2422538949 JALAPENO CRP @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	Jalapeno CRP
Date Release Discovered	08/07/2024
Surface Owner	Private

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	2,800
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/19/2024
Time sampling will commence	10:00 AM
<b>Warning: Notification can not be less than two business days prior to conducting final sampling.</b>	
Please provide any information necessary for observers to contact samplers	ETech - Joel Lowery - 432.466.4450
Please provide any information necessary for navigation to sampling site	-19-22S-35E 0 FNL 0 FEL (32.37087, -103.40977)

Comments

No comments found for this submission.

Conditions

**Summary:**                      rtijerina (9/16/2024), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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OCD Permitting

Home    Operator Data    Action Status    Action Search Results    Action Status Item Details

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	384781	Districts:	Hobbs
Operator:	[372311] GOODNIGHT MIDSTREAM PERMIAN, LLC	Counties:	Lea
Description:	GOODNIGHT MIDSTREAM PERMIAN, LLC [372311] , Jalapeno CRP , nAPP2422538949		
Status:	APPROVED		
Status Date:	09/18/2024		
References (1):	nAPP2422538949		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2422538949
Incident Name	NAPP2422538949 JALAPENO CRP @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	Jalapeno CRP
Date Release Discovered	08/07/2024
Surface Owner	Private

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	2,800
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/20/2024
Time sampling will commence	10:00 AM
<b>Warning: Notification can not be less than two business days prior to conducting final sampling.</b>	
Please provide any information necessary for observers to contact samplers	ETech - Joel Lowry - 432.466.4450
Please provide any information necessary for navigation to sampling site	-19-22S-35E 0 FNL 0 FEL (32.37087, -103.40977)

Comments

No comments found for this submission.

Conditions

Summary: rtijerina (9/18/2024), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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Home    Operator Data    Action Status    Action Search Results    Action Status Item Details

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	385943	Districts:	Hobbs
Operator:	[372311] GOODNIGHT MIDSTREAM PERMIAN, LLC	Counties:	Lea
Description:	GOODNIGHT MIDSTREAM PERMIAN, LLC [372311] , Jalapeno CRP , nAPP2422538949		
Status:	APPROVED		
Status Date:	09/23/2024		
References (1):	nAPP2422538949		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2422538949
Incident Name	NAPP2422538949 JALAPENO CRP @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	Jalapeno CRP
Date Release Discovered	08/07/2024
Surface Owner	Private

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	1,200
What is the estimated number of samples that will be gathered	8
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/26/2024
Time sampling will commence	10:00 AM
<b>Warning: Notification can not be less than two business days prior to conducting final sampling.</b>	
Please provide any information necessary for observers to contact samplers	ETech - Joel Lowry - 432.466.4450
Please provide any information necessary for navigation to sampling site	-19-22S-35E 0 FNL 0 FEL (32.37087, -103.40977)



Comments

No comments found for this submission.

Conditions

**Summary:**                      rtijerina (9/23/2024), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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Home    Operator Data    Action Status    Action Search Results    Action Status Item Details

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	388465	Districts:	Hobbs
Operator:	[372311] GOODNIGHT MIDSTREAM PERMIAN, LLC	Counties:	Lea
Description:	GOODNIGHT MIDSTREAM PERMIAN, LLC [372311] , Jalapeno CRP , nAPP2422538949		
Status:	APPROVED		
Status Date:	09/30/2024		
References (1):	nAPP2422538949		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2422538949
Incident Name	NAPP2422538949 JALAPENO CRP @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	Jalapeno CRP
Date Release Discovered	08/07/2024
Surface Owner	Private

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	400
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/03/2024
Time sampling will commence	10:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	ETech - Joel Lowry - 432.466.4450
Please provide any information necessary for navigation to sampling site	-19-22S-35E 0 FNL 0 FEL (32.37087, -103.40977)

Comments

No comments found for this submission.

Conditions

**Summary:**                      rtjerina (9/30/2024), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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OCD Permitting

Home    Operator Data    Action Status    Action Search Results    Action Status Item Details

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	388465	Districts:	Hobbs
Operator:	[372311] GOODNIGHT MIDSTREAM PERMIAN, LLC	Counties:	Lea
Description:	GOODNIGHT MIDSTREAM PERMIAN, LLC [372311] , Jalapeno CRP , nAPP2422538949		
Status:	APPROVED		
Status Date:	09/30/2024		
References (1):	nAPP2422538949		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2422538949
Incident Name	NAPP2422538949 JALAPENO CRP @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	Jalapeno CRP
Date Release Discovered	08/07/2024
Surface Owner	Private

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	400
What is the estimated number of samples that will be gathered	4
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/03/2024
Time sampling will commence	10:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	ETech - Joel Lowry - 432.466.4450
Please provide any information necessary for navigation to sampling site	-19-22S-35E 0 FNL 0 FEL (32.37087, -103.40977)

Comments

No comments found for this submission.

Conditions

**Summary:**      rtijerina (9/30/2024), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 400738

QUESTIONS

Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID: 372311
	Action Number: 400738
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2422538949
Incident Name	NAPP2422538949 JALAPENO CRP @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Facility	[fCH1903939717] JALAPENO RP

Location of Release Source	
Please answer all the questions in this group.	
Site Name	JALAPENO CRP
Date Release Discovered	08/07/2024
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Tank (Any)   Produced Water   Released: 12 BBL   Recovered: 1 BBL   Lost: 11 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.



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Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 2

Action 400738

**QUESTIONS (continued)**

Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID: 372311
	Action Number: 400738
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Ralph Tijerina Title: Director of EH&S Email: rtijerina@goodnightmidstream.com Date: 08/12/2024
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**Oil Conservation Division**  
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**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 400738

**QUESTIONS (continued)**

Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID: 372311
	Action Number: 400738
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1000 (ft.) and ½ (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	2720
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0.5
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	09/16/2024
On what date will (or did) the final sampling or liner inspection occur	10/03/2024
On what date will (or was) the remediation complete(d)	11/05/2024
What is the estimated surface area (in square feet) that will be reclaimed	4300
What is the estimated volume (in cubic yards) that will be reclaimed	720
What is the estimated surface area (in square feet) that will be remediated	4300
What is the estimated volume (in cubic yards) that will be remediated	720
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 400738

**QUESTIONS (continued)**

Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID: 372311
	Action Number: 400738
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	OWL LANDFILL JAL [fJEG1635837366]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Ralph Tijerina Title: Director of EH&S Email: rtijerina@goodnightmidstream.com Date: 11/08/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 400738

**QUESTIONS (continued)**

Operator: GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID: 372311
	Action Number: 400738
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	The western margin of the release encroached on a horizontal Separator and associated steel-walled lined containment.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	1300
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	180
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	JALAPENO RP [fCH1903939717]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Ralph Tijerina Title: Director of EH&S Email: rtijerina@goodnightmidstream.com Date: 11/08/2024

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QUESTIONS, Page 6  
  
Action 400738

QUESTIONS (continued)

Operator:  GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID:  372311
	Action Number:  400738
	Action Type:  [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	388465
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/03/2024
What was the (estimated) number of samples that were to be gathered	4
What was the sampling surface area in square feet	400

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 400738

CONDITIONS

Operator:  GOODNIGHT MIDSTREAM PERMIAN, LLC 5910 North Central Expressway Dallas, TX 75206	OGRID:  372311
	Action Number:  400738
	Action Type:  [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	2/25/2025