

OCD Incident nAPP2320155626

2/8/2023

XTO Riser to Potato Basin Road

<u>Spill Volume(Bbls) Calculator</u>	
<i>Inputs in blue, Outputs in red</i>	
<i>Contaminated Soil measurement</i>	
Area (square feet)	Depth(inches)
<u>420</u>	<u>2.000</u>
Cubic Feet of Soil Impacted	<u>70.000</u>
Barrels of Soil Impacted	<u>12.48</u>
Soil Type	Clay
Barrels of Oil Assuming 100% Saturation	<u>0.00</u>
Saturation	Damp no fluid when squeezed
Estimated Barrels of Oil Released	0.00
<i>Free Standing Fluid Only</i>	
Area (square feet)	Depth(inches)
<u>420</u>	<u>2.000</u>
Standing fluid	<u>12.478</u>
<u>Total fluids spilled</u>	<u>12.478</u>

**Elevate Energy Services, Inc.
Gavilan Road Spill**

**XTO Riser to Potato Basin
Road (Napp2320155626)**

Closure Report

June 10, 2024



**Prepared for:
Elevate Energy Services, Inc.
2413 S Eunice Highway
Hobbs, New Mexico 88240**

nAPP2320155626

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

Company Contacts

Representative	Company	Telephone	E-mail
James Espinoza	Elevate Energy Services, Inc.	806-475-9006	jespinoza@elevateenergysvs.com
Bob Allen	SESI	575-397-0510	ballen@sesi-nm.com

Background

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was engaged by Elevate Energy Services, Inc. to perform sampling on a spill of treated water located off Gavilan Road on land owned by the Bureau of Land Management in Eddy, County, New Mexico. The spill is located at GPS coordinates 32.238419, -103.918323. The size of the excavation is approximately 2,976 square feet and the amount of the treated water spill is estimated at 90 bbls with 30 bbls recovered.

Surface and Ground Water

According to research of The New Mexico Office of the State Engineer there were no records for Township 26S, Range 31E, and Section 10. The nearest POD for this site is C 02108 with a depth to water of 186" bgs.

Characterization

This has been remediated in accordance the NMOCD published guidelines (July 24, 2018). Furthermore, all pasture impact was remediated in accordance with Spill Rule 19.15.29 NMAC, and BLM guidelines. The site ranking and soil screening levels as presented in the table below:

Table I Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤ 50 feet	Chloride***	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
51 feet-100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
>100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

*Or other test methods approved by the division.

**Numerical limits or natural background level, whichever is greater.

***This applies to releases of produced water or other fluids, which may contain chloride.

[19.15.29.12 NMAC - N, 8/14/2018]

Work Performed

Incident #nAPP2320155626

On Sunday, June 11, 2023, SESI personnel arrived at the spill site and photographed and mapped the spill area. The spill areas had been excavated to a depth of approximately 6-8 ". Nine (9) bottomhole and four (4) horizontal samples were taken. The samples were field tested and samples 4, 6 and 8 were over regulatory limits for Chlorides. The samples, except for samples 4, 6, and 8, were properly preserved and transported under Chain of Custody to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for Chloride (CI Method 300.0), Diesel Organics (DRO Method 8015 M/D), Gasoline Range (GRO Method 8015D), Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX Method 8021B). The results are tabulated in the table below:

Elevate Energy Services, Inc								
Gavilan Road Spill								
Soil Sample Results: Cardinal Laboratory, Inc. 06/11/2023								
Sample ID	Chloride (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)
SP-1 0-8"	32.0	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SP-2 0-8"	272	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SP-3 0-8"	48.0	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SP-5 0-8"	16.0	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SP-7 0-8"	112	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
SP-9 0-8"	32.0	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
H-1 0-8"	32.0	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
H-2 0-8"	32.0	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
H-3 0-8"	64.0	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
H-4 0-8"	128	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0

On June 12, 2023, SESI notified Elevate Energy Services, Inc. that the areas around sample point 4, 6, and 8 will require further excavation. Elevate will notify SESI when the additional excavation is complete. At that time, SESI will resample the newly excavated areas.

On March 7, 2024 notification was sent to NMOCD that confirmation sampling would be performed on March 13, 2024 at 12:00 PM. SESI mobilized to site, no OCD representative arrived, and at 12:05 PM began gathering (10) confirmation samples. Samples were properly preserved and transported under Chain of Custody to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for Chloride (CI Method 300.0), Diesel Organics (DRO Method 8015 M/D), Gasoline Range (GRO Method 8015D), Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX Method 8021B). The results are tabulated in the table below:

Elevate Energy Services, Inc								
Gavilan Road Spill								
Soil Sample Results: Cardinal Laboratory, Inc. 03/13/2024								
Sample ID	Chloride (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)
CS-1	176	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
CS-2	32.0	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
CS-3	16.0	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
CS-4	6400	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
CS-5	96.0	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
CS-6	16.0	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
CS-7	32.0	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
CS-8	64.0	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
CS-9	32.0	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0
CS-10	352	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0

All confirmation sample results were below target levels for Chloride and TPH, except CS-4. SESI notified Elevate Energy Services, Inc. that the areas around Confirmation Sample 4 will require further excavation. Elevate will notify SESI when the additional excavation is complete. At that time, SESI will resample the newly excavated areas.

On May 7, 2024 notification was sent to NMOCD that confirmation sampling would be performed on May 13, 2024 at 10:00 AM. SESI mobilized to site, no OCD representative arrived, and at 10:00 AM began gathering (1) confirmation samples. Sample was properly preserved and transported under Chain of Custody to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for Chloride (CI Method 300.0), Diesel Organics (DRO Method 8015 M/D), Gasoline Range (GRO Method 8015D), Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX Method 8021B). The results are tabulated in the table below:

Elevate Energy Services, Inc								
Gavilan Road Spill								
Soil Sample Results: Cardinal Laboratory, Inc. 05/13/2024								
Sample ID	Chloride (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Total Xylenes (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)
CS-4-2'	160	<0.050	<0.050	<0.050	<0.150	<10.0	<10.0	<10.0

Confirmation sample results were below target levels for Chloride and TPH.

Conclusion

Remedial actions at this site have been performed in accordance with all New Mexico Oil Conservation Division (NMOCD) requirements. On behalf of Elevate Energy Services, Inc, SESI respectfully requests closure of release nAPP2320155626. Approximately 25 cubic yards of contaminated soil was transported to J & L Landfarm for this release.

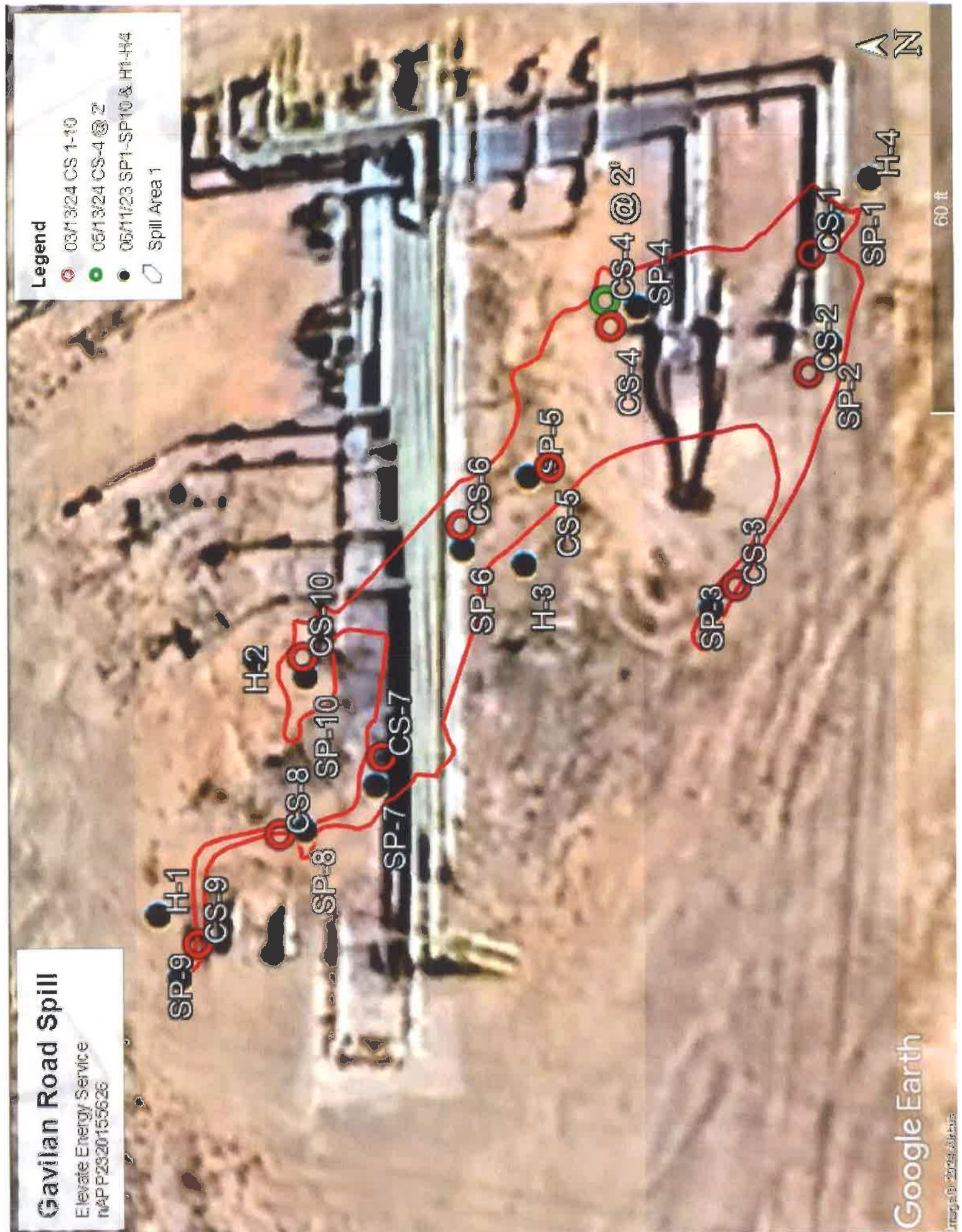
Supplemental Documentation

Document 1: Vicinity Map
Document 2: OSE Information
Document 3: NMOCD Oil and Gas Map
Document 4: BLM Cave Karst Map
Document 5: FEMA Floodplain Map
Document 6: Photographs
Document 7: Lab Analysis



Gavilan Road Spill

Write a description for your map.





30-015-31688

SWSE
(O)

06

SESE
(P)

30-015-31689

SWSE
(M)

30-015-42575

Longitude -103.9183
Latitude 32.2384
URL <https://nm-omrd.map>

Zoom to



NWNE
(B)

07

3231 ft

30-015-31691

30-015-31690
NWNE
(A)

NWNE
(D)

SWNE
(G)

SENE

Community Maps Contributors, New Mexico State University, Texas Parks & Wildlife



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 02108	CUB	ED		1	3	08	24S	30E		602702	3566487*	200	186	14
C 04497 POD1	CUB	ED		1	2	3	04	24S	30E	604660	3568278	110		
C 04526 POD1	CUB	ED		4	1	4	06	24S	30E	601899	3568060			

Average Depth to Water: **186 feet**

Minimum Depth: **186 feet**

Maximum Depth: **186 feet**

Record Count: 3

Basin/County Search:

County: Eddy

PLSS Search:

Section(s): 4-8

Township: 24S

Range: 30E

*UTM location was derived from PLSS - see Help

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

6/21/23 5:37 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

OSE POD Locations Map



6/21/2023, 5:23:23 PM

GIS WATERS PODs



OSE District Boundary

New Mexico State Trust Lands

Both Estates

NHD Flowlines

Stream River

Site Boundaries

Active

Plugged

Site Boundaries

Site Boundaries

Site Boundaries

Site Boundaries

Site Boundaries

Site Boundaries

Site Boundaries

Site Boundaries

Site Boundaries

Site Boundaries

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

Web Generated Map
Map is generated by web users.



National Flood Hazard Layer FIRMette



103°55'25"W 32°14'34"N

Legend

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

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE)
Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee. See Notes, Zone X
- Area with Flood Risk due to Levee Zone D

OTHER AREAS

- NO SCREEN
- Area of Minimal Flood Hazard Zone X
- Effective LOMRS
- Area of Undetermined Flood Hazard Zone D

GENERAL STRUCTURES

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

Cross Sections with 1% Annual Chance

- Water Surface Elevation
- Coastal Transsect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transsect Baseline
- Profile Baseline
- Hydrographic Feature

OTHER FEATURES

- Digital Data Available
- No Digital Data Available
- Unmapped

MAP PANELS

- The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below.

- The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/4/2023 at 5:43 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

- This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



103°55'25"W 32°14'34"N

Feet

1:6,000

2,000

1,500

1,000

500

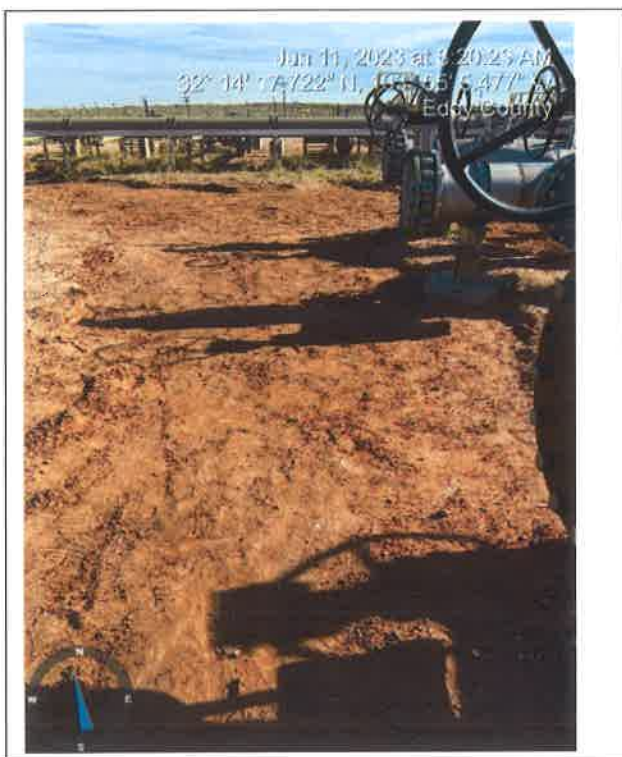
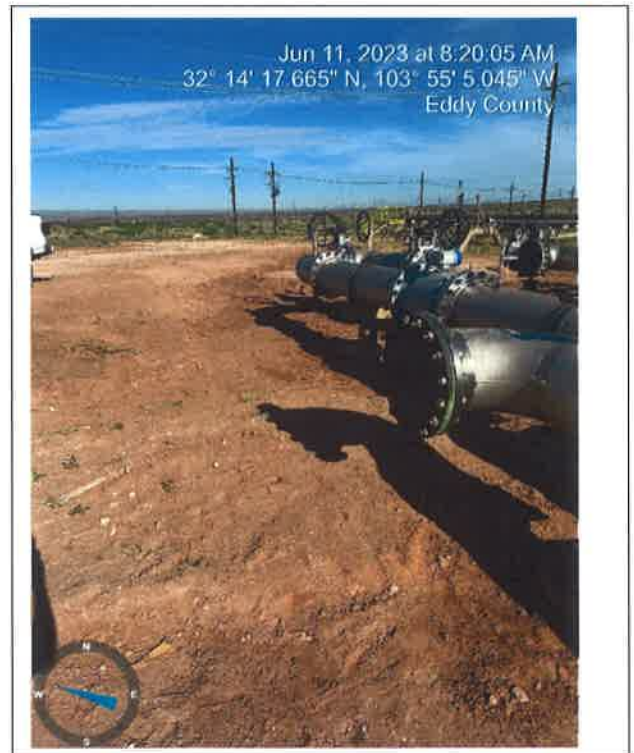
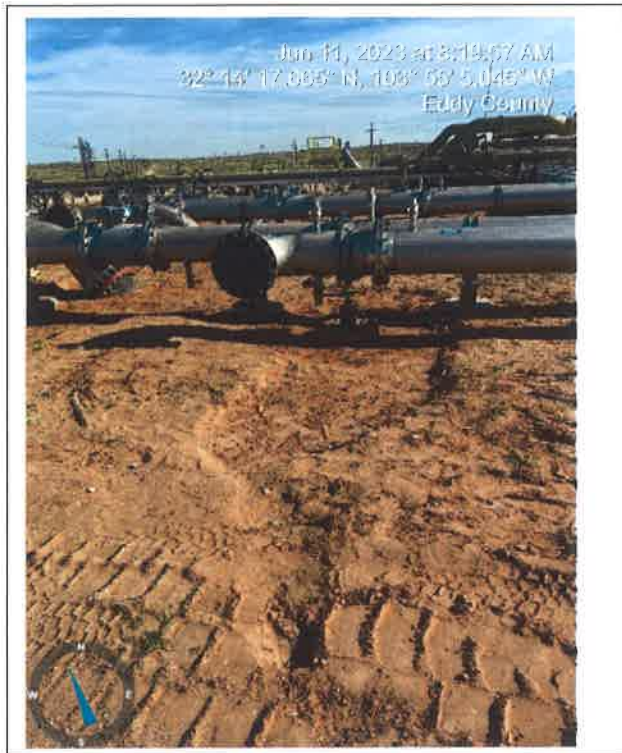
250

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Basemap Imagery Source: USGS National Map 2023

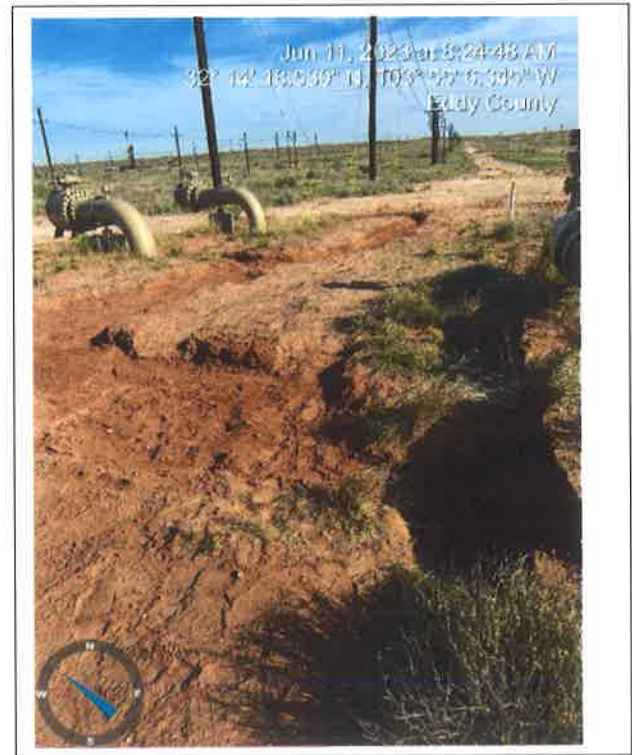
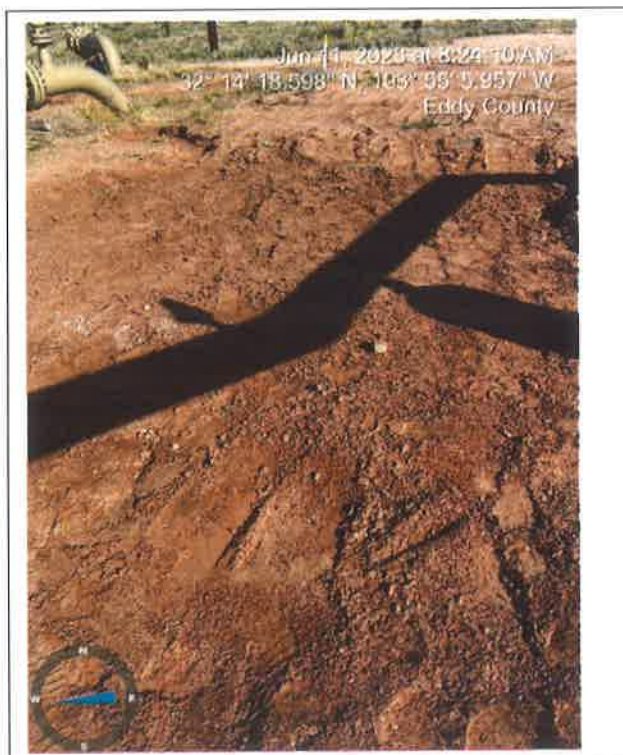
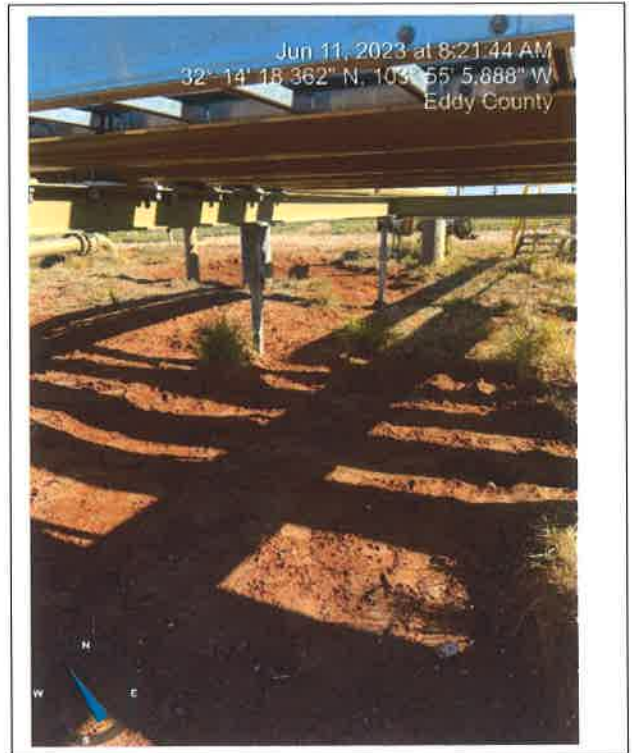
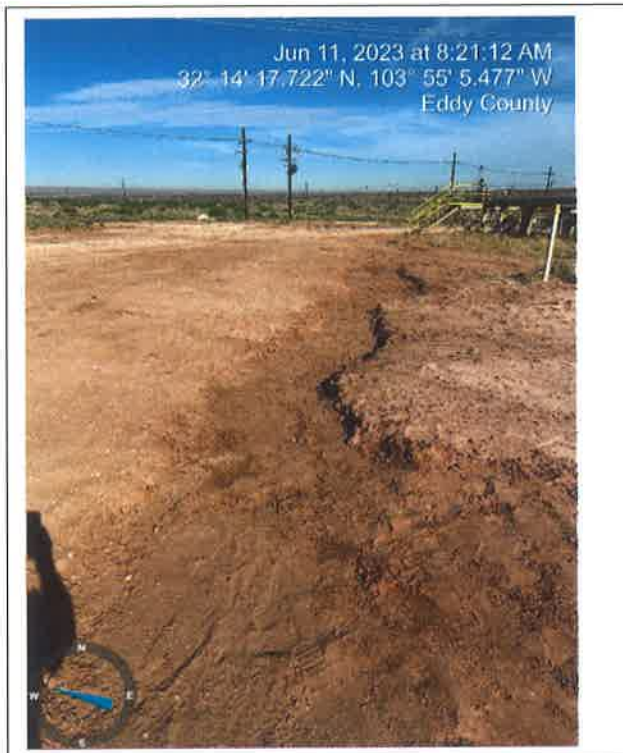
Gavilan Road Release

Property Photos



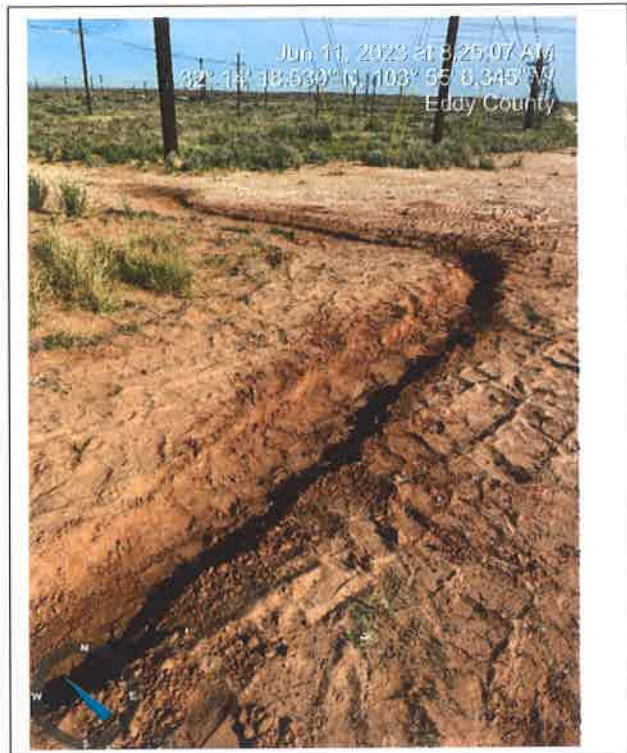
Gavilan Road Release

Property Photos



Gavilan Road Release

Property Photos



Gavilan Road Release

Property Photos





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

June 15, 2023

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: GAVILAN ROAD SPILL

Enclosed are the results of analyses for samples received by the laboratory on 06/12/23 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celest D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: GAVILAN ROAD SPILL
 Project Number: EIE - 23 - 001
 Project Location: NONE GIVEN

Sampling Date: 06/11/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP - 1 0-8" (H233005-01)

BTEX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/14/2023	ND	2.40	120	2.00	5.47		
Toluene*	<0.050	0.050	06/14/2023	ND	2.35	117	2.00	2.22		
Ethylbenzene*	<0.050	0.050	06/14/2023	ND	2.22	111	2.00	0.325		
Total Xylenes*	<0.150	0.150	06/14/2023	ND	6.89	115	6.00	0.543		
Total BTEX	<0.300	0.300	06/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	32.0	16.0	06/13/2023	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	06/13/2023	ND	184	92.2	200	3.84	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	168	83.9	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: GAVILAN ROAD SPILL
 Project Number: EIE - 23 - 001
 Project Location: NONE GIVEN

Sampling Date: 06/11/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP - 2 0-8" (H233005-02)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2023	ND	2.40	120	2.00	5.47	
Toluene*	<0.050	0.050	06/14/2023	ND	2.35	117	2.00	2.22	
Ethylbenzene*	<0.050	0.050	06/14/2023	ND	2.22	111	2.00	0.325	
Total Xylenes*	<0.150	0.150	06/14/2023	ND	6.89	115	6.00	0.543	
Total BTX	<0.300	0.300	06/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 108 % 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	272	16.0	06/13/2023	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	06/13/2023	ND	184	92.2	200	3.84	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	168	83.9	200	1.54	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: GAVILAN ROAD SPILL
 Project Number: EIE - 23 - 001
 Project Location: NONE GIVEN

Sampling Date: 06/11/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP - 3 0-8" (H233005-03)

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2023	ND	2.40	120	2.00	5.47	
Toluene*	<0.050	0.050	06/14/2023	ND	2.35	117	2.00	2.22	
Ethylbenzene*	<0.050	0.050	06/14/2023	ND	2.22	111	2.00	0.325	
Total Xylenes*	<0.150	0.150	06/14/2023	ND	6.89	115	6.00	0.543	
Total BTX	<0.300	0.300	06/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 110 % 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	48.0	16.0	06/13/2023	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	06/13/2023	ND	195	97.3	200	6.31	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	198	98.8	200	8.02	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: GAVILAN ROAD SPILL
 Project Number: EIE - 23 - 001
 Project Location: NONE GIVEN

Sampling Date: 06/11/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP - 5 0-8" (H233005-04)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2023	ND	2.40	120	2.00	5.47	
Toluene*	<0.050	0.050	06/14/2023	ND	2.35	117	2.00	2.22	
Ethylbenzene*	<0.050	0.050	06/14/2023	ND	2.22	111	2.00	0.325	
Total Xylenes*	<0.150	0.150	06/14/2023	ND	6.89	115	6.00	0.543	
Total BTEX	<0.300	0.300	06/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIB) 106 % 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	16.0	16.0	06/13/2023	ND	400	100	400	3.92	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	195	97.3	200	6.31	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	198	98.8	200	8.02	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: GAVILAN ROAD SPILL
 Project Number: EIE - 23 - 001
 Project Location: NONE GIVEN

Sampling Date: 06/11/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP - 7 0-8" (H233005-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2023	ND	2.40	120	2.00	5.47	
Toluene*	<0.050	0.050	06/14/2023	ND	2.35	117	2.00	2.22	
Ethylbenzene*	<0.050	0.050	06/14/2023	ND	2.22	111	2.00	0.325	
Total Xylenes*	<0.150	0.150	06/14/2023	ND	6.89	115	6.00	0.543	
Total BTX	<0.300	0.300	06/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	112	16.0	06/13/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	195	97.3	200	6.31	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	198	98.8	200	8.02	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: GAVILAN ROAD SPILL
 Project Number: EIE - 23 - 001
 Project Location: NONE GIVEN

Sampling Date: 06/11/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP - 9 0-8" (H233005-06)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2023	ND	2.40	120	2.00	5.47	
Toluene*	<0.050	0.050	06/14/2023	ND	2.35	117	2.00	2.22	
Ethylbenzene*	<0.050	0.050	06/14/2023	ND	2.22	111	2.00	0.325	
Total Xylenes*	<0.150	0.150	06/14/2023	ND	6.89	115	6.00	0.543	
Total BTEX	<0.300	0.300	06/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	32.0	16.0	06/13/2023	ND	400	100	400	3.92	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	195	97.3	200	6.31	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	198	98.8	200	8.02	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: GAVILAN ROAD SPILL
 Project Number: EIE - 23 - 001
 Project Location: NONE GIVEN

Sampling Date: 06/11/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 1 0-8" (H233005-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2023	ND	2.40	120	2.00	5.47	
Toluene*	<0.050	0.050	06/14/2023	ND	2.35	117	2.00	2.22	
Ethylbenzene*	<0.050	0.050	06/14/2023	ND	2.22	111	2.00	0.325	
Total Xylenes*	<0.150	0.150	06/14/2023	ND	6.89	115	6.00	0.543	
Total BTEX	<0.300	0.300	06/14/2023	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	32.0	16.0	06/13/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	195	97.3	200	6.31	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	198	98.8	200	8.02	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: GAVILAN ROAD SPILL
 Project Number: EIE - 23 - 001
 Project Location: NONE GIVEN

Sampling Date: 06/11/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 2 0-8" (H233005-08)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2023	ND	2.40	120	2.00	5.47	
Toluene*	<0.050	0.050	06/14/2023	ND	2.35	117	2.00	2.22	
Ethylbenzene*	<0.050	0.050	06/14/2023	ND	2.22	111	2.00	0.325	
Total Xylenes*	<0.150	0.150	06/14/2023	ND	6.89	115	6.00	0.543	
Total BTEX	<0.300	0.300	06/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	32.0	16.0	06/13/2023	ND	400	100	400	3.92	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	195	97.3	200	6.31	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	198	98.8	200	8.02	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

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

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: GAVILAN ROAD SPILL
 Project Number: EIE - 23 - 001
 Project Location: NONE GIVEN

Sampling Date: 06/11/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 3 0-8" (H233005-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.38	119	2.00	0.599	
Toluene*	<0.050	0.050	06/15/2023	ND	2.29	114	2.00	1.53	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.32	116	2.00	1.18	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	6.93	116	6.00	1.15	
Total BTEX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	64.0	16.0	06/13/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	195	97.3	200	6.31	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	198	98.8	200	8.02	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/12/2023
 Reported: 06/15/2023
 Project Name: GAVILAN ROAD SPILL
 Project Number: EIE - 23 - 001
 Project Location: NONE GIVEN

Sampling Date: 06/11/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 4 0-8" (H233005-10)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2023	ND	2.38	119	2.00	0.599	
Toluene*	<0.050	0.050	06/15/2023	ND	2.29	114	2.00	1.53	
Ethylbenzene*	<0.050	0.050	06/15/2023	ND	2.32	116	2.00	1.18	
Total Xylenes*	<0.150	0.150	06/15/2023	ND	6.93	116	6.00	1.15	
Total BTX	<0.300	0.300	06/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PIB) 102 % 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	128	16.0	06/13/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2023	ND	195	97.3	200	6.31	
DRO >C10-C28*	<10.0	10.0	06/13/2023	ND	198	98.8	200	8.02	
EXT DRO >C28-C36	<10.0	10.0	06/13/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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

Page 13 of 13



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

March 21, 2024

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: GALIVAN ROAD SPILL

Enclosed are the results of analyses for samples received by the laboratory on 03/15/24 15:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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/ga/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,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/15/2024
 Reported: 03/21/2024
 Project Name: GALIVAN ROAD SPILL
 Project Number: ELE - 23 - 001
 Project Location: GALIVAN RD

Sampling Date: 03/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CONFIRMATION SAMPLE POINT 1 (H241367-01)

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	03/18/2024	ND	2.03	102	2.00	2.09		
Toluene*	<0.050	0.050	03/18/2024	ND	2.25	112	2.00	0.884		
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.41	121	2.00	1.40		
Total Xylenes*	<0.150	0.150	03/18/2024	ND	7.26	121	6.00	2.01		
Total BTEx	<0.300	0.300	03/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/18/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	204	102	200	2.39		
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	201	100	200	2.93		
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND						

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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

Received: 03/15/2024
 Reported: 03/21/2024
 Project Name: GALIVAN ROAD SPILL
 Project Number: ELE - 23 - 001
 Project Location: GALIVAN RD

Sampling Date: 03/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CONFIRMATION SAMPLE POINT 2 (H241367-02)

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	03/18/2024	ND	2.03	102	2.00	2.09	
Toluene*	<0.050	0.050	03/18/2024	ND	2.25	112	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.41	121	2.00	1.40	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	7.26	121	6.00	2.01	
Total BTX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/18/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	204	102	200	2.39	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	201	100	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Received: 03/15/2024
 Reported: 03/21/2024
 Project Name: GALIVAN ROAD SPILL
 Project Number: ELE - 23 - 001
 Project Location: GALIVAN RD

Sampling Date: 03/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CONFIRMATION SAMPLE POINT 3 (H241367-03)

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	03/18/2024	ND	2.03	102	2.00	2.09	
Toluene*	<0.050	0.050	03/18/2024	ND	2.25	112	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.41	121	2.00	1.40	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	7.26	121	6.00	2.01	
Total BTX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/18/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	204	102	200	2.39	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	201	100	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

Safety & Environmental Solutions
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Received: 03/15/2024
 Reported: 03/21/2024
 Project Name: GALIVAN ROAD SPILL
 Project Number: ELE - 23 - 001
 Project Location: GALIVAN RD

Sampling Date: 03/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CONFIRMATION SAMPLE POINT 4 (H241367-04)

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	03/18/2024	ND	2.03	102	2.00	2.09	
Toluene*	<0.050	0.050	03/18/2024	ND	2.25	112	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.41	121	2.00	1.40	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	7.26	121	6.00	2.01	
Total BTX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6400	16.0	03/18/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	204	102	200	2.39	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	201	100	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Received: 03/15/2024
 Reported: 03/21/2024
 Project Name: GALIVAN ROAD SPILL
 Project Number: ELE - 23 - 001
 Project Location: GALIVAN RD

Sampling Date: 03/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CONFIRMATION SAMPLE POINT 5 (H241367-05)

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	03/18/2024	ND	2.03	102	2.00	2.09	
Toluene*	<0.050	0.050	03/18/2024	ND	2.25	112	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.41	121	2.00	1.40	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	7.26	121	6.00	2.01	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/18/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	204	102	200	2.39	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	201	100	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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Received: 03/15/2024
 Reported: 03/21/2024
 Project Name: GALIVAN ROAD SPILL
 Project Number: ELE - 23 - 001
 Project Location: GALIVAN RD

Sampling Date: 03/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CONFIRMATION SAMPLE POINT 6 (H241367-06)

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	03/18/2024	ND	2.03	102	2.00	2.09	
Toluene*	<0.050	0.050	03/18/2024	ND	2.25	112	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.41	121	2.00	1.40	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	7.26	121	6.00	2.01	
Total BTEX	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/18/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	204	102	200	2.39	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	201	100	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Received: 03/15/2024
 Reported: 03/21/2024
 Project Name: GALIVAN ROAD SPILL
 Project Number: ELE - 23 - 001
 Project Location: GALIVAN RD

Sampling Date: 03/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CONFIRMATION SAMPLE POINT 7 (H241367-07)

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	03/18/2024	ND	2.03	102	2.00	2.09	
Toluene*	<0.050	0.050	03/18/2024	ND	2.25	112	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.41	121	2.00	1.40	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	7.26	121	6.00	2.01	
Total BTX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/18/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	204	102	200	2.39	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	201	100	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

Safety & Environmental Solutions
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Received: 03/15/2024
 Reported: 03/21/2024
 Project Name: GALIVAN ROAD SPILL
 Project Number: ELE - 23 - 001
 Project Location: GALIVAN RD

Sampling Date: 03/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CONFIRMATION SAMPLE POINT 8 (H241367-08)

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	03/18/2024	ND	2.03	102	2.00	2.09	
Toluene*	<0.050	0.050	03/18/2024	ND	2.25	112	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.41	121	2.00	1.40	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	7.26	121	6.00	2.01	
Total BTEx	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500Cl-B			mg/kg		Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/18/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	204	102	200	2.39	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	201	100	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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Received: 03/15/2024
 Reported: 03/21/2024
 Project Name: GALIVAN ROAD SPILL
 Project Number: ELE - 23 - 001
 Project Location: GALIVAN RD

Sampling Date: 03/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CONFIRMATION SAMPLE POINT 9 (H241367-09)

BTEX 8021B		mg/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2024	ND	2.03	102	2.00	2.09	
Toluene*	<0.050	0.050	03/18/2024	ND	2.25	112	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.41	121	2.00	1.40	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	7.26	121	6.00	2.01	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/18/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	204	102	200	2.39	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	201	100	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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:

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

Received: 03/15/2024
 Reported: 03/21/2024
 Project Name: GALIVAN ROAD SPILL
 Project Number: ELE - 23 - 001
 Project Location: GALIVAN RD

Sampling Date: 03/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CONFIRMATION SAMPLE POINT 10 (H241367-10)

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	03/18/2024	ND	2.03	102	2.00	2.09	
Toluene*	<0.050	0.050	03/18/2024	ND	2.25	112	2.00	0.884	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.41	121	2.00	1.40	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	7.26	121	6.00	2.01	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 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	352	16.0	03/18/2024	ND	432	108	400	3.64	QM-07

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	03/18/2024	ND	198	99.0	200	0.281	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	214	107	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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", 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

Company Name: Safety and Environmental Solutions		P.O. #:		ANALYSIS REQUEST	
Project Manager: Bob Allen		Company: Same			
Address: 703 East Clinton, PO Box 1613		Attn:			
City: Hobbs		Address:			
Phone #: 575 397-0510		City:			
Fax #: 575 393-4388		State:			
Project #: ELE-23-001		Zip:			
Project Name: Galien Rd & Sp 11					
Project Location: Galien Rd					
Sample Name: R. M. Johnson		Fax #:			
FOR LAB USE ONLY		PRESERV		SAMPLING	
Sample I.D.		MATRIX			
Lab I.D. H241362		(G)RAB OR (C)OMP.			
		# CONTAINERS			
		GROUNDWATER			
		WASTEWATER			
		SOIL			
		OIL			
		SLUDGE			
		OTHER:			
		ACID/BASE:			
		CE/COOL			
		OTHER:			
		DATE		TIME	
1		3-13-29		1207	
2				1216	
3				1216	
4				1222	
5				1235	
6				1241	
7				1246	
8				1250	
9				1255	
10				1500	
Continuation Sample Point 1					
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PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

May 17, 2024

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: GALVAN ROAD SPILL

Enclosed are the results of analyses for samples received by the laboratory on 05/13/24 14:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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/ga/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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/13/2024
 Reported: 05/17/2024
 Project Name: GALVAN ROAD SPILL
 Project Number: ELE 23-001
 Project Location: GLAVAN RD.

Sampling Date: 05/13/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CONFIRMATION SAMPLE 4 - 2' (H242595-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2024	ND	2.07	103	2.00	0.0238	
Toluene*	<0.050	0.050	05/16/2024	ND	2.00	99.8	2.00	0.354	
Ethylbenzene*	<0.050	0.050	05/16/2024	ND	2.03	101	2.00	0.753	
Total Xylenes*	<0.150	0.150	05/16/2024	ND	5.81	96.8	6.00	0.997	
Total BTX	<0.300	0.300	05/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 96.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/16/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/14/2024	ND	195	97.6	200	2.69	
DRO >C10-C28*	<10.0	10.0	05/14/2024	ND	181	90.7	200	8.33	
EXT DRO >C28-C36	<10.0	10.0	05/14/2024	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.0 % 49.1-148

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* = Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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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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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Safety and Environmental Solutions		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Bob Allen		Company: Same					
Address: 703 East Clinton, PO Box 1613		Attn:					
City: Hobbs		Address:					
State: NM Zip: 88240		City:					
Phone #: 575 397-0510 Fax #: 575 393-4388		State:					
Project #: ELE 23-001 Project Owner:		Zip:					
Project Name: GALVAN Road Slu.		Phone #:					
Project Location: GALVAN RD.		Fax #:					
Sampler Name: Armando Acuna		Matrix:					
FOR LAB USE ONLY		PRESERV					
Lab I.D.		SAMPLING					
Sample I.D.		DATE					
H243595		TIME					
CONFIRMATION NUMBER 42661		X					
(G)RAB OR (C)OMP.		X					
# CONTAINERS		X					
GROUNDWATER		X					
WASTEWATER		X					
SOIL		X					
OIL		X					
SLUDGE		X					
OTHER:		X					
ACID/BASE:		X					
ICE / COOL		X					
OTHER:		X					
DATE		5-13-24					
TIME		10:24					
X		X					
FCLP / BTEX / C10-1005		TPH 8015					
To: 5/13/24							
REMARKS: Email Results to bollen@sej-nm.com martinez@sej-nm.com Admin2@sej-nm.com Armando.Ses11@gmail.com							
Relinquished By: [Signature]		Received By: Armando					
Date: 5/13/24		Time: 1420					
Relinquished By: [Signature]		Received By: Armando					
Date: 5/13/24		Time: 1420					
Delivered By: (Circle One) S.2.2		Sample Condition Cool Intact Yes Yes No No					
Sampler - UPS - Bus - Other: #140		CHECKED BY: [Signature]					

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Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 355644

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	355644
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2320155626
Incident Name	NAPP2320155626 XTO RISER TO POTATO BASIN ROAD @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source

Please answer all the questions in this group.

Site Name	XTO RISER TO POTATO BASIN ROAD
Date Release Discovered	02/08/2023
Surface Owner	Federal

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 Pipeline (Any) Produced Water Released: 12 BBL Recovered: 0 BBL Lost: 12 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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)	Disconnected Lay Flat hose from riser and excess water leaked out of head from the layout. 12.47 bbls released onto right of way. zero bbls recovered. Elevate Services operated the equipment at the time of the release.

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QUESTIONS, Page 2

Action 355644

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	355644
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmv.com Date: 06/18/2024
--	--

District I
1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 355644

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 355644
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<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 100 and 500 (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
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	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (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

Remediation Plan	
<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
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	6400
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
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<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	06/11/2023
On what date will (or did) the final sampling or liner inspection occur	05/07/2024
On what date will (or was) the remediation complete(d)	05/07/2024
What is the estimated surface area (in square feet) that will be reclaimed	2976
What is the estimated volume (in cubic yards) that will be reclaimed	25
What is the estimated surface area (in square feet) that will be remediated	2976
What is the estimated volume (in cubic yards) that will be remediated	25
<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>	

District I

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State of New Mexico
Energy, Minerals and Natural Resources
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QUESTIONS, Page 4

Action 355644

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	355644
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Remediation Plan (continued)**

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.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	J&L LANDFARM [FEEM0112339187]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site 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.

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 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: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 06/18/2024
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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.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

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Action 355644

QUESTIONS (continued)

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QUESTIONS

Deferral Requests Only	
<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	No

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Action 355644

QUESTIONS (continued)

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	342110
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/13/2024
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	2000

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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	2976
What was the total volume (cubic yards) remediated	25
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	2976
What was the total volume (in cubic yards) reclaimed	25
Summarize any additional remediation activities not included by answers (above)	see reports

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 06/18/2024
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Action 355644

QUESTIONS (continued)

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QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 355644

CONDITIONS

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	6137
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	355644
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	7/29/2024
scott.rodgers	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	7/29/2024