

PERMIAN

R E S O U R C E S

CRAZY WOLF CTB

Remediation Closure Report

API No. 30-025-43135

NAPP2407254241

I-01-19S-32E

Federal Surface Management

32.682800001,-103.724500001 NAD83



2525 NW County Rd
Hobbs, NM 88240
[\(575\) 392-9996](tel:(575)392-9996)

Introduction

This report documents remediation activities at the Crazy Wolf CTB. Diamondback Disposal Services Inc. (Diamondback) carried out cleanup and reclamation on behalf of Permian Resources Operating LLC (Permian) for release number NAPP2407254241. An equipment failure at a separator discharged thirty two barrels of crude oil. Twenty barrels were recovered at the time of the event and twelve barrels remained, triggering remediation.

The site is in Unit I, Section 1, Township 19S, Range 32E, at coordinates 32.682800001, 103.724500001, roughly 34 miles west of Hobbs, New Mexico, inside a federally managed oil and gas field administered by the Bureau of Land Management (BLM). All actions complied with New Mexico Oil Conservation Division (NMOCD) regulations in 19.15.29 NMAC, effective August 14, 2018, and with applicable BLM surface-protection requirements, including the Gold Book guidelines.

The site may be accessed as follows:

- From the intersection of 62/180, travel northwest on Smith Ranch Road for approximately 2 miles to a Y in the road.
- Stay left and continue northwest for 0.1 miles to a lease road, then turn left.
- Follow the lease road for 1.7 miles to another Y in the road and stay left again.
- Continue northwest for 4.0 miles to a lease road on the right.
- Turn right and travel north for 0.5 miles to another lease road.
- Turn left and follow the road for 1.8 miles to reach the project location.

A map is located in appendix B

Public records from the New Mexico Office of the State Engineer show no registered water wells within half a mile of the Crazy Wolf CTB. Several exploratory and historic monitoring wells lie between one-half and one mile from the release, but none are closer. Previous work under incident NAPP2100455356 advanced a soil boring to 100 feet below ground surface without intercepting groundwater. Appendix B summarizes these data and confirms that groundwater lies deeper than 100 feet, giving the site a low risk for groundwater impact.

Additional surface-water and geologic context confirms the low-risk setting. The Pecos River, the nearest continuously flowing watercourse, is about 33.4 miles away. The closest wetland, a freshwater pond, sits about 2.1 miles south of the site. Karst potential is low.

All accessible on-pad contamination was remediated using the most stringent closure criteria in Table 1 of 19.15.29.12 NMAC. Off-pad areas were evaluated to the same standard. One sample would otherwise have required criteria for groundwater deeper than 100 feet, so that standard was applied around equipment and piping where physical obstructions prevented full excavation. These locations will be deferred under 19.15.29.12 B(4) NMAC until equipment removal allows full access. (See Table Below)

Table 1: NMAC 19.15.29.12 Closure Criteria

Groundwater Depth	Chloride (mg/kg)	TPH (GRO+DRO+MRO) (mg/kg)	GRO+DRO (mg/kg)	BTEX (mg/kg)	Benzene (mg/kg)
<50 feet	600	100	N/A	50	10
>100 feet	20,000	2,500	1,000	50	10

Remediation/Reclamation Activities

Between March 18, 2025 and April 30, 2025, Diamondback Disposal Services, Inc. excavated approximately 1,238 cubic yards of impacted material from the Crazy Wolf CTB site. The excavated soil was temporarily stockpiled at the site before being loaded into 20-yard trucks and transported to Lea Land LLC for final disposal. During excavation activities, field screening was conducted to monitor chloride concentrations and total petroleum hydrocarbons in accordance with applicable regulatory standards.

The New Mexico Oil Conservation Division (NMOCD) was notified of the intent to begin confirmation sampling on March 25, March 31, April 3, April 10, and April 30, 2025. Sampling was conducted on the respective dates listed in the notifications to assess compliance with the Recommended Remediation Action Levels (RRALs). Five-point composite samples were collected from every 200 square feet of sidewall and floor area. The samples were immediately packaged and

submitted under chain of custody to an accredited third-party laboratory for analysis in accordance with regulatory requirements.

Upon review of the analytical results, one floor samples and one horizontal sample (see Appendix C) were found to exceed the closure criteria specified in Table 1 of 19.15.29.12 NMAC. Specifically, Sample B9 exceeded the TPH limit at 234.1 mg/kg, and horizontal sample H1 exceeded the TPH limit at 195.7 mg/kg. Additional excavation and confirmation sampling were conducted in these areas until all floor and wall samples complied with regulatory standards. Based on the final laboratory data, all restoration and reclamation criteria have been successfully met using the most stringent standards applicable to sites with groundwater depths of less than 50 feet below ground surface.

Between March 20 and April 2, 2025, stockpiled contaminated material was loaded into 20-yard trucks and transported to Lea Land LLC for final disposal. Clean caliche backfill material was purchased from Smith Ranch in accordance with the Surface Use Agreement (SUA). All excavated areas were backfilled on May 2 and May 3, 2025, as they met the Recommended Remediation Action Levels (RRALs), using approximately 996 cubic yards of material, consisting of 876 cubic yards of topsoil and 120 cubic yards of caliche. The backfill was carefully placed and contoured to restore the site to pre-disturbance conditions, ensuring proper drainage and minimizing the potential for stormwater runoff. As the release remained entirely on the well pad and within the permitted right-of-way, no revegetation plan was required under applicable regulatory standards.

Deferment Request

Pursuant to 19.15.29.12 NMAC, a deferment is requested for areas located beneath or immediately adjacent to active production infrastructure where remediation would require major facility deconstruction. These remaining impacted areas are not reasonably accessible without disrupting ongoing operations and essential equipment. They include pads and connections surrounding separator units and buried lines.

Where feasible, hand excavation was conducted around piping and equipment, and confirmation sampling was performed to characterize the levels of contamination remaining in place. The results of

this sampling are provided in Appendix C. The volume of soil requiring deferred remediation is estimated at approximately 210 cubic yards, covering a surface area of about 1,419 square feet. All accessible areas have been fully remediated and restored in accordance with NMOCD closure standards. The vertical and lateral extents of contamination have been delineated based on excavation boundaries and supporting laboratory data.

Remediation of deferred areas will be completed once production equipment is permanently removed or replaced. Closure of these areas will adhere to the same standards, with documentation submitted to the division in accordance with regulatory requirements.

Conclusion

Remediation and reclamation activities at the Crazy Wolf CTB, located in Unit I, Section 1, Township 19S, Range 32E at coordinates 32.682800001, -103.724500001, approximately 34 miles west of Hobbs, New Mexico, have been successfully completed in full compliance with applicable regulatory requirements. The project addressed the release of 32 barrels of crude oil, of which 20 barrels were recovered. The remaining 12 barrels required remediation. All impacted material was excavated, transported for disposal to Lea Land LLC, and replaced with clean backfill sourced from Smith Ranch, in accordance with the Surface Use Agreement.

Diamondback Disposal Services, Inc. employed a systematic approach that included phased excavation, field screening, and laboratory confirmation sampling to ensure all impacted areas met the closure criteria defined in 19.15.29.12 NMAC. Closure standards applicable to sites with groundwater located less than 50 feet below ground surface were applied throughout the project. Where conditions warranted, criteria for groundwater depths greater than 100 feet were used, particularly in deferred areas near equipment and piping. Multiple rounds of confirmation sampling verified compliance with all Recommended Remediation Action Levels prior to backfilling on May 2 and May 3, 2025.

The site was contoured to pre-disturbance conditions to support proper drainage and minimize stormwater runoff. As all excavation and remediation occurred entirely within the existing battery pad and permitted right-of-way, reseedling was not required. The pad has been restored to its operational condition, and no further corrective action is necessary.

Diamondback Disposal Services, Inc. has completed all remediation and reclamation obligations associated with release number NAPP2407254241 and respectfully requests final closure approval. Should the division require additional documentation or clarification, please contact us at your convenience.

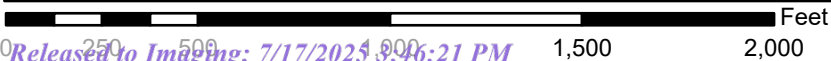
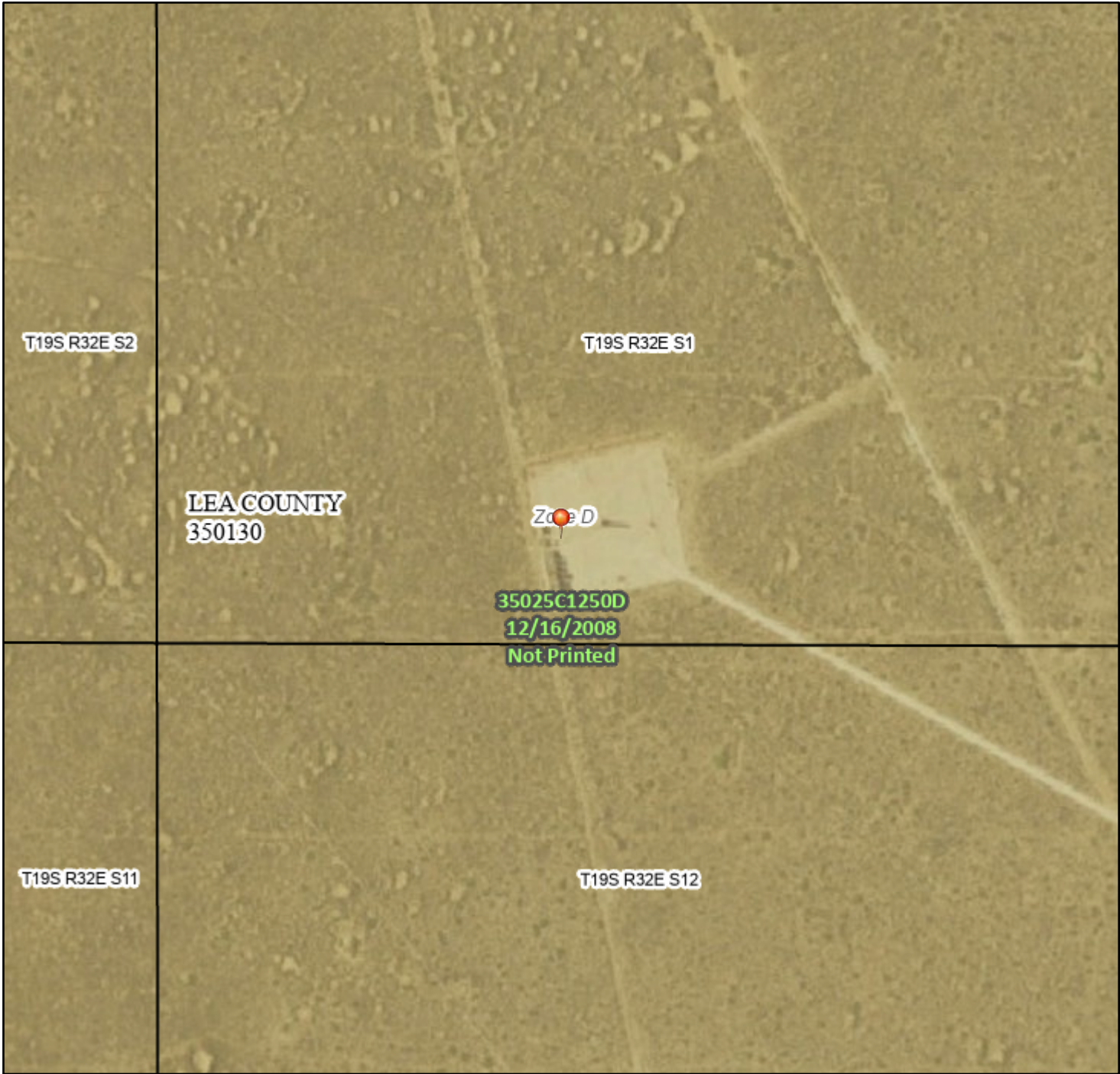
Appendix A

Site Characterization

National Flood Hazard Layer FIRMette



103°43'47"W 32°41'14"N



1:6,000

103°43'10"W 32°40'43"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
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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 5/27/2025 at 2:06 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.

- ↓ Release Point
- Karst Occurrence Potential
- High
 - Low
 - Medium
 - Critical Karst Resource Area

NAPP2407254241 ↓



0 2.5 5 mi

Permian Resources
Crazy Wolf
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Appendix B

Depth to Groundwater

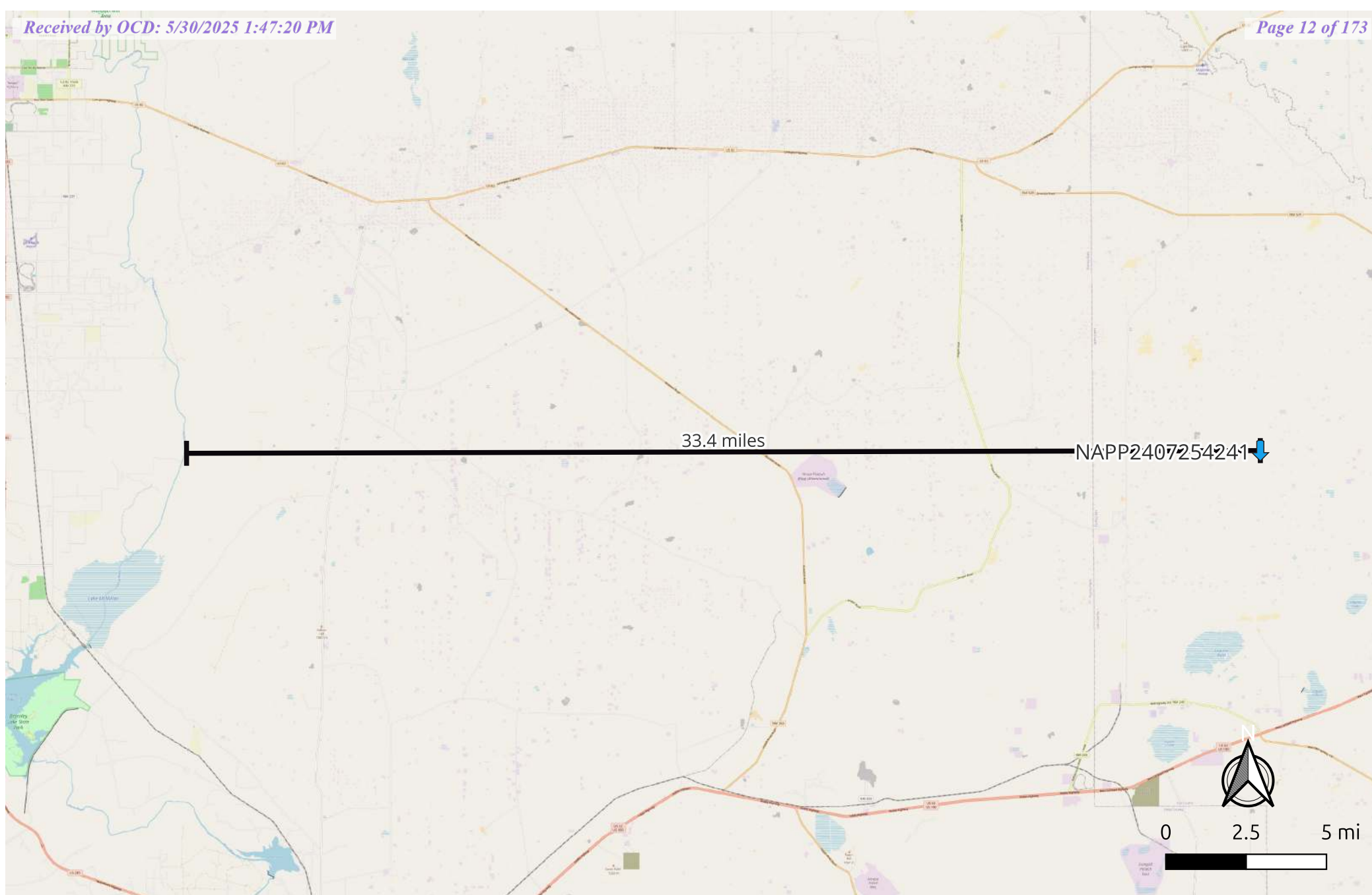
Topographical Information



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SOIL BORING CW1

34.3 miles

Hobbs

Topsoild pit



0 2.5 5 mi

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↓ Release Point

🏠 Occupied Residence

5 Mile Radius

NAPP2407254241 ↓

6.8 miles



0 1 2 mi

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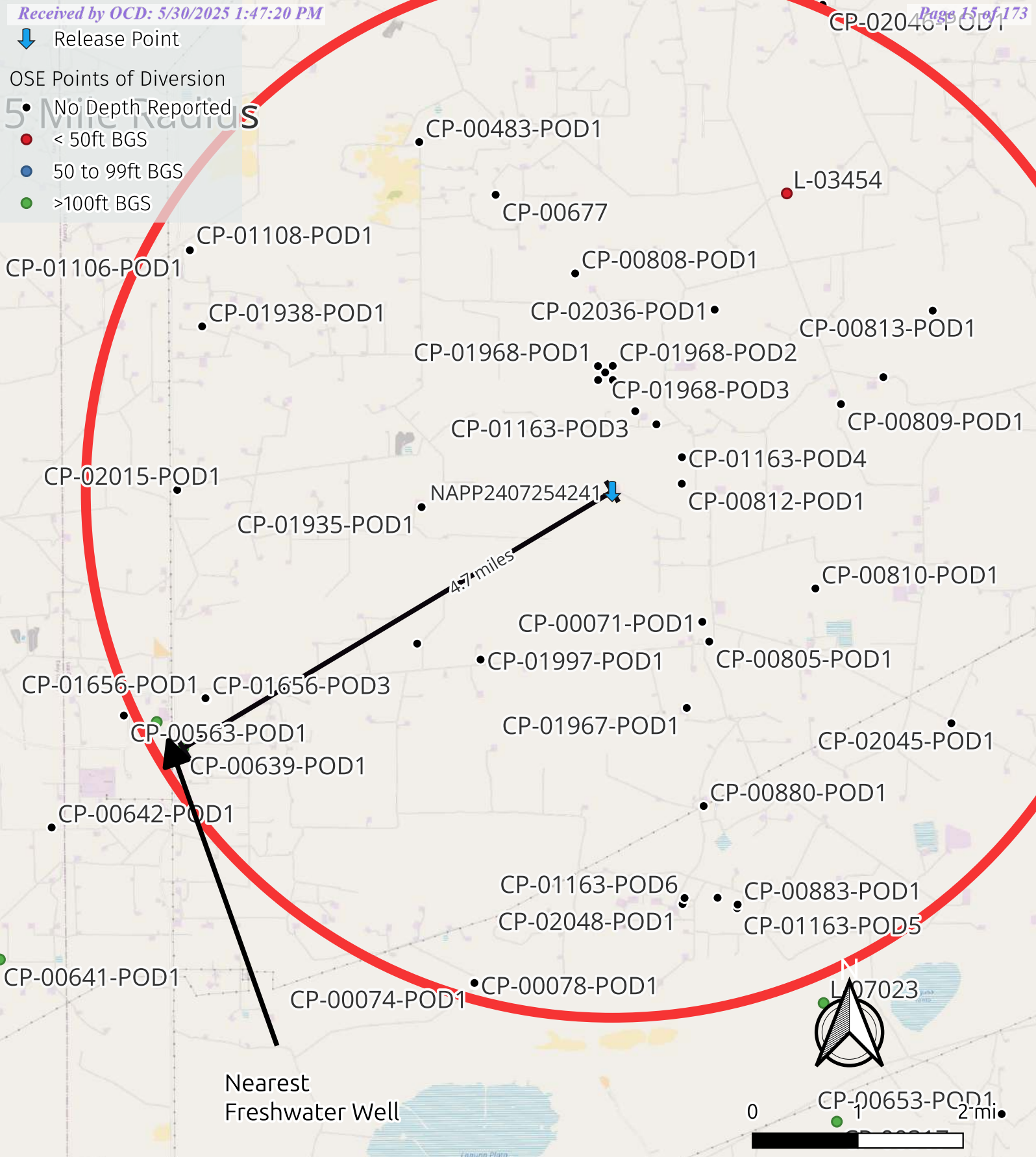


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↓ Release Point

OSE Points of Diversion

- No Depth Reported
- < 50ft BGS
- 50 to 99ft BGS
- >100ft BGS



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- Release Point
- Prior Soil Bore
- OSE Points of Diversion
 - No Depth Reported
 - < 50ft BGS
 - 50 to 99ft BGS
 - >100ft BGS

CP-01968-POD1 CP-01968-POD2
CP-01968-POD4 CP-01968-POD5

CP-01163-POD3

CP-01163-POD1

1 Mile Radius

1/2 Mile Radius

CP-01163-POD4

CP-00812-POD1

SOIL BORING CW1

NAPP2407254241



0 0.25 0.5 mi

Permian Resources


Crazy Wolf




#nAPP2407254241

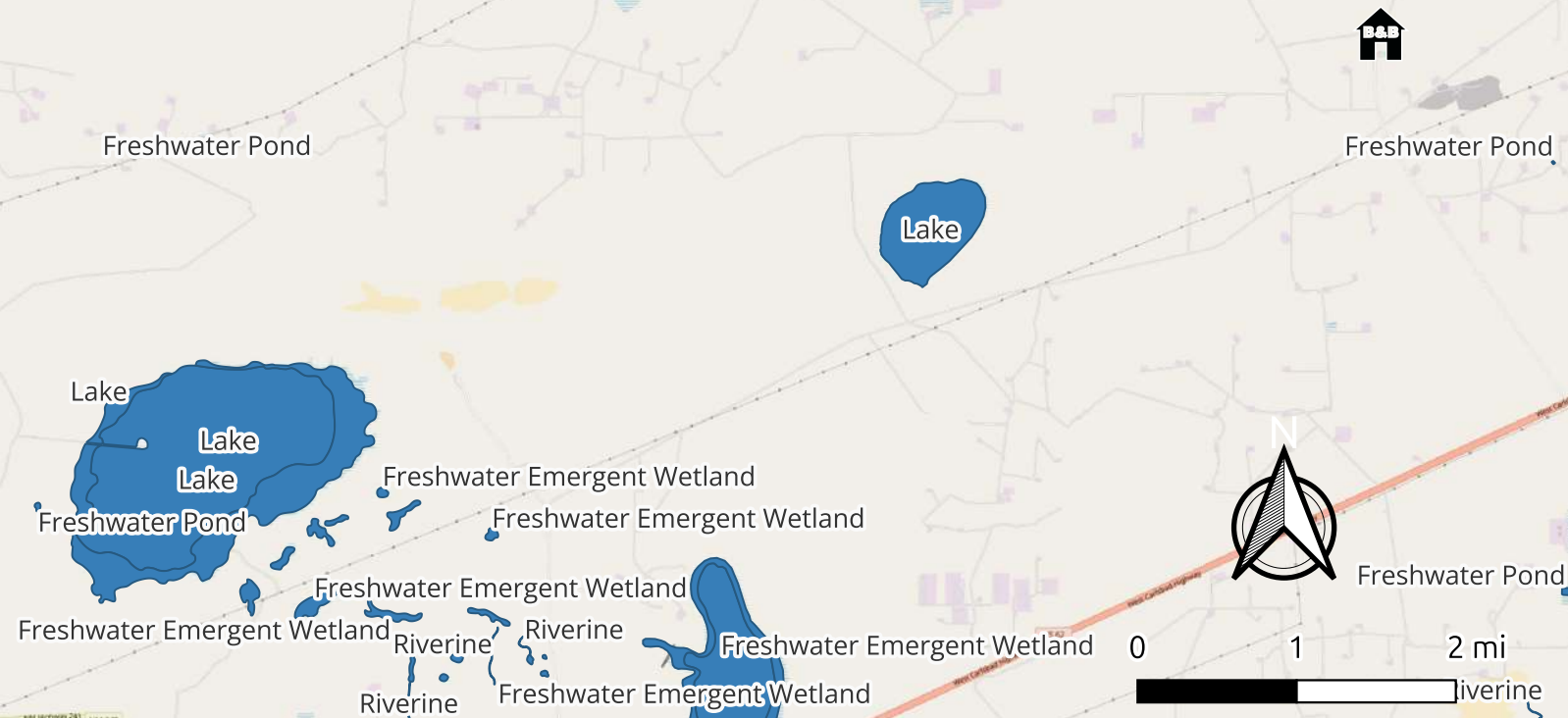
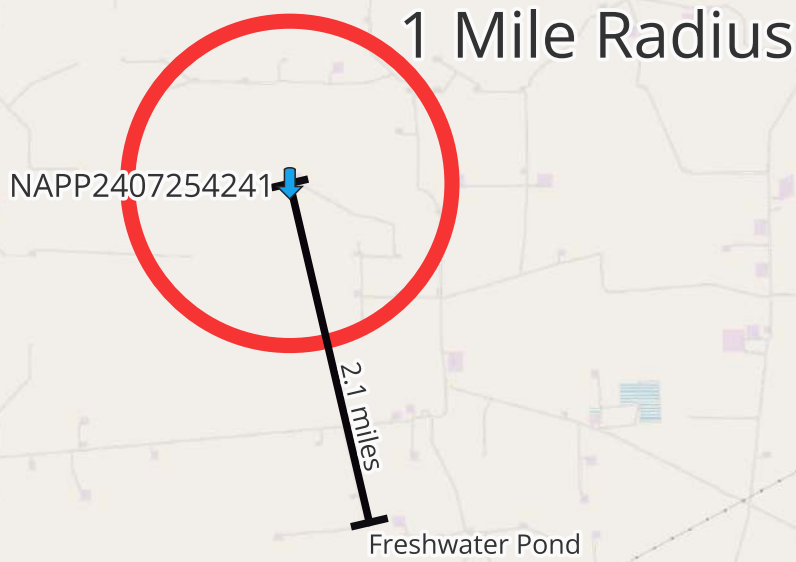
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PROJECT NO. 12926		LOG OF SOIL BORING CW1		SHEET 1 of 1	
PROJECT NAME: Crazy Wolf 1H		DATE DRILLED: 12/1/2020		DATE PLUGGED: 12/4/2020	
CLIENT: Centennial Resource Development, Inc.		LOGGED BY: S. English		APPROVED BY: M. Green	
PROJECT LOCATION: Lea County, NM		LATITUDE/LONGITUDE - WGS84: 32.68353000° -103.72374100°		GROUND SURFACE ELEVATION: 3674 feet MSL	
Depth (ft)	Elevation (ft)	Description	Graphic Log	Well Construction	Additional Data
0	3670	Sand & Clay: Sand: Overall 7.5 YR 6/4 light brown, moderately sorted, medium to fine, subrounded to rounded, quartz. Clay: 7.5 YR 9/1 white, calcareous.	SC1		Hole plugged 12/4/2020. Cuttings backfilled into hole from 100 to 3 feet. Hydrated bentonite from 3 to 0 feet.
5	3665				
10	3660				
15	3655	Sandstone: 5 YR 7/6 reddish yellow to 2.5 YR 8/3 pink, moderately sorted, medium to fine, subrounded to rounded, friable, clay matrix. Matrix: 7.5 YR 9/1 white, calcareous.	Sandstone		
20	3650				
25	3645				
30	3640				No groundwater present in well.
35	3635				
40	3630				
45	3625	Claystone: 2.5 YR 6/4 light reddish brown, hard. Trace sands	Claystone		
50	3620				
55	3615				
60	3610				
65	3605	Sandy clay & Gravel: Sand: multicolored, fine to very fine, moderately sorted, angular to rounded. Clay: 2.5 YR 6/4 light reddish brown, hard. Gravel: poorly sorted, multicolored, pebble to granule.	GC		
70	3600				
75	3595	Sandy Clay: Sand: multicolored, fine to very fine, moderately sorted, angular to rounded. Clay: 2.5 YR 6/4 light reddish brown, hard.	SC		
80	3590	Sandy Clay & Gravel: Sand: multicolored, fine to very fine, moderately sorted, angular to rounded. Clay: 2.5 YR 6/4 light reddish brown, hard. Gravel: poorly sorted, multicolored, pebble to granule.	GC		
85	3585	Sandy Clay: Sand: multicolored, coarse to very fine, poorly sorted, angular to rounded. Clay: 2.5 YR 6/4 light reddish brown, hard.	SC		
90	3580				
95	3575				
100		Boring terminated at 100 feet bgs.			
		Etech Environmental & Safety Solutions P.O. Box 8469 Midland, Texas 79708 www.etechnv.com		DRILLING METHOD: Air Rotary DRILL RIG: Reichdrill CONTRACTOR: Talon LPE OPERATOR: Tom Evans	

-  Release Point
-  Occupied Residence
-  Wetland



Permian Resources
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Appendix C

Site Delineation Mapping and Summary Report

CRAZY WOLF CTB – NAPP2407254241
Wall Sample Summary

SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE DATE	BENZENE	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TOTAL TPH C6-C36 (mg/kg)	CHLORIDE	SOIL STATUS
W1	H251760-01	0-2'	3/25/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32	In-Situ
W2	H251899-01	0-4'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48	In-Situ
W3	H251899-02	0-4'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14	<10.0	14	48	In-Situ
W4	H251899-03	0-4'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48	In-Situ
W5	H251899-04	0-4'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11	<10.0	11	48	In-Situ
W6	H251899-05	0-3'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	46.5	15.8	62.3	48	In-Situ
W7	H251899-06	0-4'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.9	<10.0	20.9	32	In-Situ
W8	H251899-07	0-4'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.7	<10.0	14.7	32	In-Situ
W9	H251899-08	0-5'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16	In-Situ
W10	H251899-09	0-4'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	44.2	17.7	61.9	<16.0	In-Situ
W11	H251899-10	0-3'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12	<10.0	12	48	In-Situ
W12	H251899-11	0-4'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32	In-Situ
W13	H252003-01	0-3'	4/3/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32	In-Situ
W14	H252003-02	0-3'	4/3/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32	In-Situ
W15	H252003-03	0-3'	4/3/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	32.4	32.4	48	In-Situ

CRAZY WOLF CTB – NAPP2407254241
Floor Sample Summary

SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE DATE	BENZENE	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TOTAL TPH C6-C36 (mg/kg)	CHLORIDE	SOIL STATUS
B1	H251761-01	2'	3/25/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32	In-Situ
B2	H251761-02	2'	3/25/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16	In-Situ
B3	H251761-03	2'	3/25/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32	In-Situ
B4	H251761-04	2'	3/25/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16	In-Situ
B5	H251761-05	2'	3/25/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16	In-Situ
B6	H251761-06	2'	3/25/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48	In-Situ
B7	H251761-07	2'	3/25/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48	In-Situ
B8	H251761-08	2'	3/25/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16	In-Situ
B9	H251761-09	5'	3/25/25	<0.050	<0.050	<0.050	0.214	<0.300	15.9	858	156	1029.9	32	Excavated
B9	H252002-04	5'	4/3/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	23.4	<10.0	23.4	80	In-Situ
B10	H251761-10	4'	3/25/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	31	12.1	43.1	32	In-Situ
B11	H251761-11	4'	3/25/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16	In-Situ
B12	H251761-12	4'	3/25/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32	In-Situ
B13	H251761-13	4'	3/25/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32	In-Situ
B14	H251761-14	4'	3/25/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32	In-Situ
B15	H251761-15	4'	3/25/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48	In-Situ
B16	H251761-16	3'	3/25/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32	In-Situ
B17	H251761-17	3'	3/25/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48	In-Situ
B18	H251761-18	3'	3/25/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.7	<10.0	11.7	16	In-Situ
B19	H251795-01	3'	3/26/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32	In-Situ
B20	H251795-02	3'	3/26/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	24.9	<10.0	24.9	48	In-Situ
B21	H251795-03	3'	3/26/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32	In-Situ
B22	H251795-04	3'	3/26/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64	In-Situ
B23	H251795-05	3'	3/26/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	33.6	<10.0	33.6	80	In-Situ
B24	H251795-06	3'	3/26/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.9	<10.0	14.9	112	In-Situ
B25	H251795-07	3'	3/26/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96	In-Situ
B26	H251898-01	4'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0	In-Situ
B27	H251898-02	4'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32	In-Situ
B28	H251898-03	4'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48	In-Situ
B29	H251898-04	4'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	33.2	<10.0	33.2	64	In-Situ
B30	H251898-05	4'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	37.8	<10.0	37.8	144	In-Situ
B31	H251898-06	4'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144	In-Situ
B32	H251898-07	4'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16	In-Situ
B33	H251898-08	4'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64	In-Situ
B34	H251898-09	4'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.7	<10.0	12.7	64	In-Situ
B35	H251898-10	4'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16	In-Situ
B36	H251898-11	4'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80	In-Situ

B37	H251898-12	4'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80	In-Situ
B38	H251898-13	4'	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64	In-Situ
B39	H252002-01	3'	4/3/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	279	71.3	350.3	48	Excavated
B39	H252146-01	3'6"	4/10/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80	In-Situ
B40	H252146-02	3'	4/3/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64	In-Situ
B41	H252002-03	3'	4/3/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.6	<10.0	18.6	64	In-Situ

CRAZY WOLF CTB – NAPP2407254241
Deferment Sample Summary

SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE DATE	BENZENE	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TOTAL TPH C6-C36 (mg/kg)	CHLORIDE	SOIL STATUS
DP1	H252000-01	3"	4-3-25	<0.050	0.124	7.36	19.9	27.3	572	16200	2680	19452	256	In-Situ
DP2	H252000-02	3"	4-3-25	<0.050	<0.050	1.59	6.92	8.51	430	8160	1230	9820	128	In-Situ

CRAZY WOLF CTB – NAPP2407254241
Horizontal Sample Summary

SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE DATE	BENZENE	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TOTAL TPH C6-C36 (mg/kg)	CHLORIDE	SOIL STATUS
H1	H251897-01	Surface	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	131	64.7	195.7	32	Excavated
H1 + 5'	H252146-02	Surface	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128	In-Situ
H2	H251897-02	Surface	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32	In-Situ
H3	H251897-03	Surface	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16	In-Situ
H4	H251897-04	Surface	3/31/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32	In-Situ

CRAZY WOLF CTB – NAPP2407254241
Backfill Sample Summary

SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE DATE	BENZENE	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TOTAL TPH C6-C36 (mg/kg)	CHLORIDE
BACKFILL CALICHE	H252574-01	Surface	4/29/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96
BACKFILL TOPSOIL	H252574-02	Surface	4/29/25	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	288

- 32.682306, -103.724566
- Deferment Point "DP"
- Horizontal Sample "H"
- Wall Lines (Colors Vary)
- Deferment Area
- Excavation Area

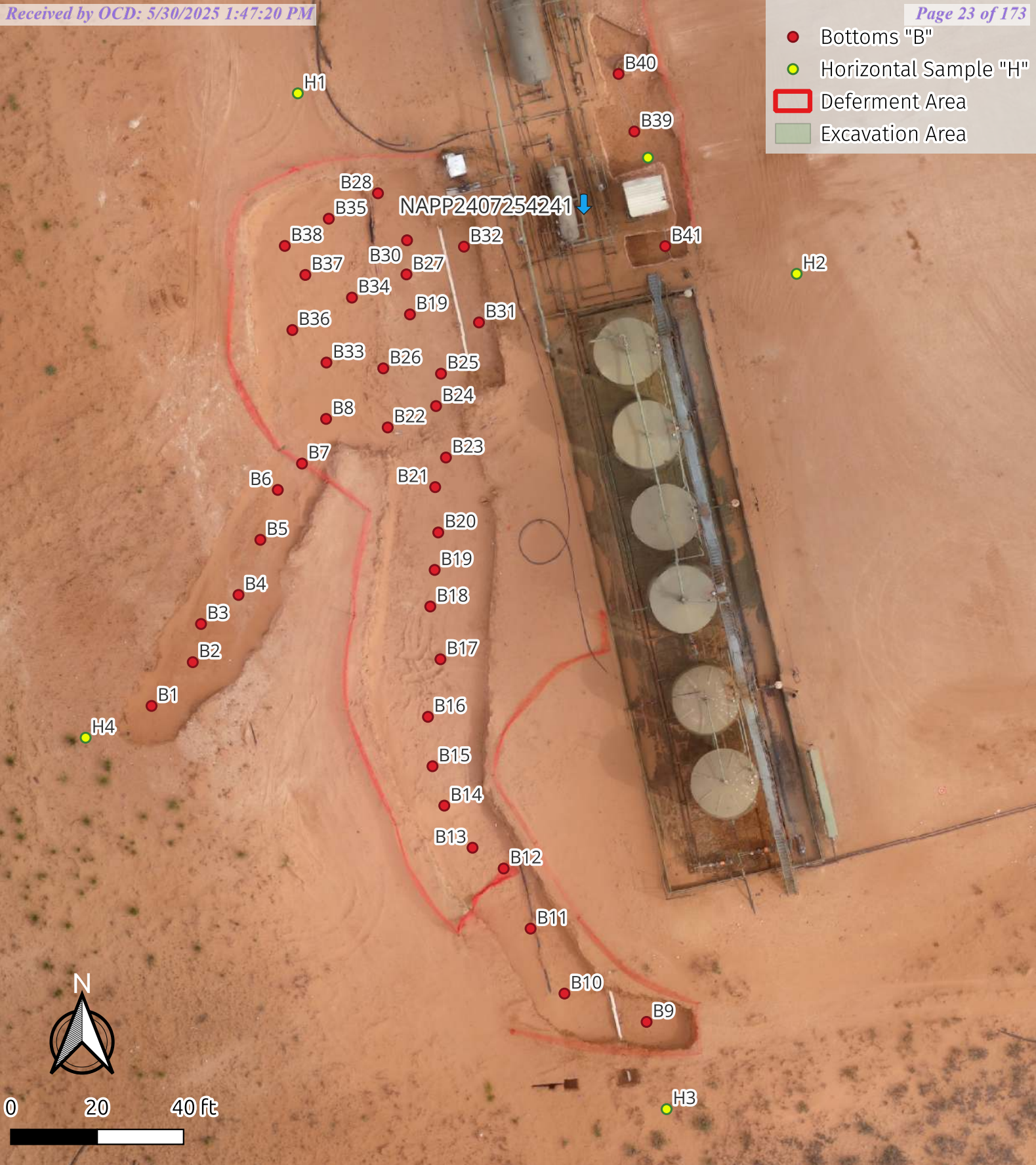


Permian Resources
Crazy Wolf
#nAPP2407254241
32.6828,-103.7245 NAD83



Diamondback Disposal
Services, Inc
P.O. Box 2491
Hobbs, NM 88241
575-392-9996

- Bottoms "B"
- Horizontal Sample "H"
- ▭ Deferment Area
- ▭ Excavation Area



Permian Resources
Crazy Wolf
#nAPP2407254241
32.6828,-103.7245 NAD83



Diamondback Disposal
Services, Inc
P.O. Box 2491
Hobbs, NM 88241
575-392-9996

Table 1
Analytical Data Summary -
Delineation Soil Samples (mg/kg)
Permian Resources - Crazy Wolf CTB Crude Oil Release
Incident ID: nAPP2407254241
Near Eunice, Lea County, New Mexico

Analyte Method		Chloride 4500-Cl-B	BTEX 8021B	Benzene 8021B	TPH (C6-C10) 8015M	TPH (>C10-28) 8015M	TPH (>C28-36) 8015M	TPH 8015M
Table I - Closure Criteria (0-4')		600	50	10	-	-	-	100
Sample ID	Sample Date							
B-1 (0-1')	5/15/2024	304	184	7.54	1,660	11,400	1,700	14,760
B-1 (1-2')	5/15/2024	-	475	4.74	4,250	14,700	1,990	20,940
B-1 (2-3')	5/15/2024	-	38.3	<2.0	3,280	11,500	1,860	16,640
B-2 (0-1')	5/15/2024	32	0.545	<0.05	88.2	3,230	457	3775.2
B-2 (1-2')	5/15/2024	-	0.474	<0.05	<10	129	21.5	150.5
B-2 (2-3')	5/15/2024	-	-	-	<10	<10	<10	<10
B-3 (0-1')	5/15/2024	112	<0.300	<0.05	<10	919	166	1085
B-3 (1-2')	5/15/2024	-	-	-	<10	150	28.5	178.5
B-3 (2-3')	5/15/2024	-	-	-	<10	39.6	<10	39.6
B-4 (0-1')	5/15/2024	208	3.56	<0.05	317	11,800	2,280	14397
B-4 (1-2')	5/15/2024	-	0.055	<0.05	<10	<10	<10	<10
B-5 (0-1')	5/15/2024	48	<0.300	<0.05	<50	1,690	244	1,934
B-5 (1-2')	5/15/2024	-	-	-	<10	878	161	1039
B-5 (2-3')	5/15/2024	-	-	-	<10	244	28.5	272.5
B-6 (0-1')	5/15/2024	1,470	160	1.89	1,910	21,000	3,540	26,450
B-6 (1-2')	5/15/2024	480	148	1.34	1,880	8,070	1,320	11,270
B-6 (2-3')	5/15/2024	-	0.626	<0.05	12	194	22	228
B-7 (0-1')	5/15/2024	160	278	3.71	2,460	13,600	2,000	18,060
B-7 (1-2')	5/15/2024	-	586	12.5	4,070	8,880	1,360	14,310
B-7 (2-3')	5/15/2024	-	10.5	<0.05	98	849	115	1,062
B-8 (0-1')	5/15/2024	-	<0.300	<0.05	<10	<10	<10	<10
B-9 (0-1')	5/15/2024	-	<0.300	<0.05	<10	<10	<10	<10
B-10 (0-1')	5/15/2024	-	<0.300	<0.05	<10	<10	<10	<10

Table 1
Analytical Data Summary -
Delineation Soil Samples (mg/kg)
Permian Resources - Crazy Wolf CTB Crude Oil Release
Incident ID: nAPP2407254241
Near Eunice, Lea County, New Mexico

Analyte Method		Chloride 4500-Cl-B	BTEX 8021B	Benzene 8021B	TPH (C6-C10) 8015M	TPH (>C10-28) 8015M	TPH (>C28-36) 8015M	TPH 8015M
Table I - Closure Criteria (0-4')		600	50	10	-	-	-	100
Sample ID	Sample Date							
B-11 (0-1')	5/15/2024	-	<0.300	<0.05	<10	<10	<10	<10
B-12 (0-1')	5/15/2024	-	<0.300	<0.05	<10	102	12.3	114.3
B-12 (1-2')	5/15/2024	-	-	-	<10	<10	<10	<10
B-13 (0-1')	5/15/2024	-	<0.300	<0.05	<10	<10	<10	<10
B-14 (0-1')	5/15/2024	-	<0.300	<0.05	<10	<10	<10	<10
B-15 (0-1')	5/15/2024	-	<0.300	<0.05	<10	<10	<10	<10
B-16 (0-1')	5/15/2024	32	<0.300	<0.05	<10	<10	<10	<10
B-17 (0-1')	5/15/2024	32	<0.300	<0.05	<10	<10	<10	<10
B-18 (0-1')	5/15/2024	80	<0.300	<0.05	<10	<10	<10	<10

Notes:

All results are in mg/kg

Closure Criteria Soils - Table I of 19.15.29.12 NMAC

TPH - Total Petroleum Hydrocarbons - includes GRO, DRO, MRO

BTEX - Benzene, Toluene, Ethylbenzene, Xylenes

<RL - results were not detected above the Laboratory Reporting Limit

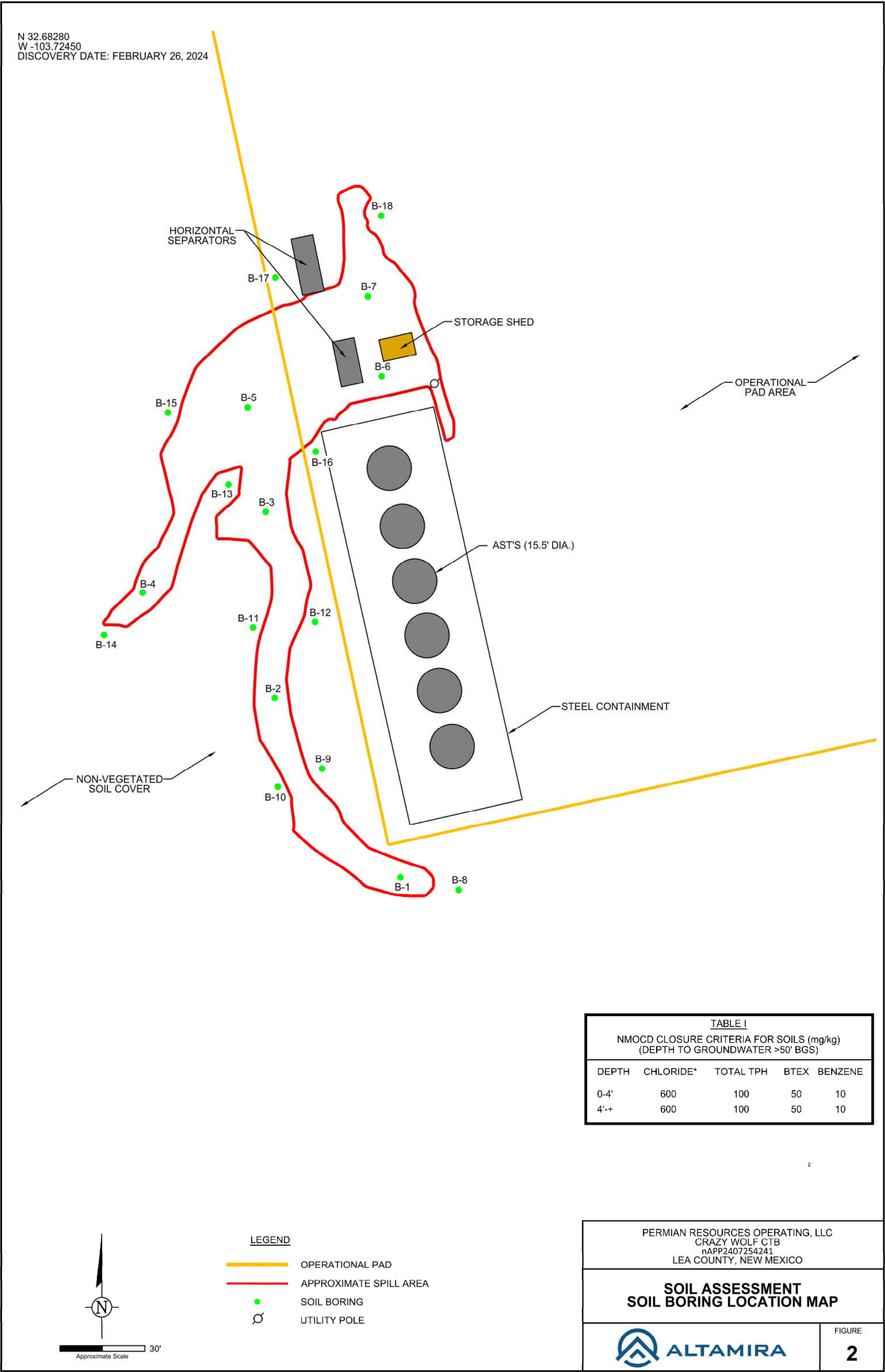
- Not analyzed

Bold indicates a detection above the Laboratory Sample Reporting Limit

Shading indicates that a detected result exceeded the NMOCD Table 1 Closure Criteria Levels

* - Closure Criteria based on depth to groundwater less than 51 feet below ground surface

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LVR:(Opt)ON="":OFF="REF"
P:\Permian Resources\Assessment and Remediation\NVONM2403 - Crazy Wolf Delineation\Figures-Maps\NVONM2403 - CRAZY WOLF.dwg LAYOUT: FIGURE 2 SAVED: 5/21/2024 11:53 AM ACADVER: 24.3S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---- PLOTTED: 5/21/2024 11:54 AM BY: AARON LOZANO



Appendix D Site Photography And Field Notes

Crazy Wolf CTB -- NAPP2407254241
Final Backfill

Crazy Wolf CTB -- Final Excavation



Appendix E

Communications

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

QUESTIONS

Action 322694

QUESTIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 322694
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Crazy Wolf CTB
Date Release Discovered	02/26/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil 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	Cause: Equipment Failure Separator Crude Oil Released: 32 BBL Recovered: 20 BBL Lost: 12 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
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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QUESTIONS, Page 2

Action 322694

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 322694
	Action Type: [NOTIFY] Notification Of Release (NOR)

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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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	NA

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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 322694

ACKNOWLEDGMENTS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 322694
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that 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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, 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.

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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

CONDITIONS

Action 322694

CONDITIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 322694
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
mfloyd	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	3/12/2024

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2407254241
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Permian Resources	OGRID: 372165
Contact Name: Montgomery Floyd	Contact Telephone: 432-425-8321
Contact email: montgomery.floyd@permianres.com	Incident #
Contact mailing address: 300 N. Marienfeld Suite 10000, Midland, Tx. 79701	

Location of Release Source

Latitude 32.68280 Longitude -103.72450
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Crazy Wolf CTB	Site Type: Production Facility
Date Release Discovered: 02/26/2024	API# (if applicable)

Unit Letter	Section	Township	Range	County
I	01	19S	32E	Lea

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

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 32	Volume Recovered (bbls) 20
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:

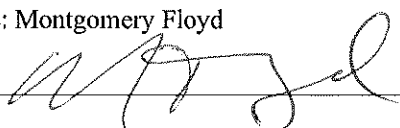
Site glass on separator ruptured resulting in release.

Incident ID	nAPP2407254241
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The release resulted in a fire, and exceeded 25 barrels volume.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes immediate notification was given to OCD by Montgomery Floyd via email. Recipients included Mike Bratcher, OCD Enviro and BLM Spills.	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: Montgomery Floyd	Title: Environmental Manager
Signature: 	Date: 3-12-24
email: montgomery.floyd@permianres.com	Telephone: 432-425-8321
OCD Only	
Received by: _____	Date: _____

***** LIQUID SPILLS - VOLUME CALCULATIONS *****

Location of spill: Crazy WolfDate of Spill: 2/26/2024

Site Soil Type: _____

Average Daily Production: _____ BBL Oil _____ BBL Water

Total Area Calculations						
Total Surface Area	width		length		wet soil depth	oil (%)
Rectangle Area #1	36 ft	X	100 ft	X	4 in	100%
Rectangle Area #2	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #3	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #4	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #5	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #6	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #7	0 ft	X	0 ft	X	0 in	0%
Rectangle Area #8	0 ft	X	0 ft	X	0 in	0%

Porosity 0.15 gal per galSaturated Soil Volume Calculations:

		H2O		OIL
Area #1	3600 sq. ft.	cu. ft.		cu. ft.
Area #2	0 sq. ft.	cu. ft.	1,200	cu. ft.
Area #3	0 sq. ft.	cu. ft.		cu. ft.
Area #4	0 sq. ft.	cu. ft.		cu. ft.
Area #5	0 sq. ft.	cu. ft.		cu. ft.
Area #6	0 sq. ft.	cu. ft.		cu. ft.
Area #7	0 sq. ft.	cu. ft.		cu. ft.
Area #8	0 sq. ft.	cu. ft.		cu. ft.
Total Solid/Liquid Volume:	3,600 sq. ft.	cu. ft.	1,200	cu. ft.

Estimated Volumes Spilled

	H2O		OIL
Liquid in Soil:	0.0 BBL		32.1 BBL
Liquid Recovered :	0.0 BBL		0.0 BBL
Spill Liquid	0.0 BBL	32.1	BBL
Total Spill Liquid:		<u>32.1</u>	

Recovered Volumes

Estimated oil recovered: 0.0 BBL
 Estimated water recovered: 0.0 BBL

Soil Type	Porosity
Clay	0.15
Peat	0.40
Glacial Sediments	0.13
Sandy Clay	0.12
Silt	0.16
Loess	0.25
Fine Sand	0.16
Medium Sand	0.25
Coarse Sand	0.26
Gravely Sand	0.26
Fine Gravel	0.26
Medium Gravel	0.25
Coarse Gravel	0.18
Sandstone	0.25
Siltstone	0.18
Shale	0.05
Limestone	0.13
Basalt	0.19
Volcanic Tuff	0.20
Standing Liquids	

District I
1625 N. French Dr., Hobbs, NM 88240
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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

QUESTIONS

Action 321598

QUESTIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 321598
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2407254241
Incident Name	NAPP2407254241 CRAZY WOLF CTB @ 30-025-43135
Incident Type	Oil Release
Incident Status	Initial C-141 Received
Incident Well	[30-025-43135] CRAZY WOLF 1 2 B2MM FEDERAL COM #001H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Crazy Wolf CTB
Date Release Discovered	02/26/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil 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	Cause: Equipment Failure Separator Crude Oil Released: 32 BBL Recovered: 20 BBL Lost: 12 BBL.
Produced Water Released (bbls) Details	Not answered.
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)	Not answered.

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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 2

Action 321598

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 321598
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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	NA

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: Montgomery Floyd Title: Environmental Manager Email: montgomery.floyd@permianres.com Date: 03/12/2024
--	--

District I

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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 321598

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 321598
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS**Site Characterization**

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.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
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	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

Remediation Plan

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.

Requesting a remediation plan approval with this submission	No
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.	

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

CONDITIONS

Action 321598

CONDITIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 321598
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	3/12/2024

Sante Fe Main Office
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 444510

QUESTIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 444510
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2407254241
Incident Name	NAPP2407254241 CRAZY WOLF CTB @ 30-025-43135
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-43135] CRAZY WOLF 1 2 B2MM FEDERAL COM #001H

Location of Release Source	
Site Name	Crazy Wolf CTB
Date Release Discovered	02/26/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	4,000
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/25/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Jason Owsley 575.602.5998
Please provide any information necessary for navigation to sampling site	GPS: 32.6828,-103.7245

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 444510

CONDITIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 444510
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
mtaylorpr	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.	3/21/2025

Sante Fe Main Office
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 446178

QUESTIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 446178
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2407254241
Incident Name	NAPP2407254241 CRAZY WOLF CTB @ 30-025-43135
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-43135] CRAZY WOLF 1 2 B2MM FEDERAL COM #001H

Location of Release Source	
Site Name	Crazy Wolf CTB
Date Release Discovered	02/26/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	5,000
What is the estimated number of samples that will be gathered	25
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/31/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Jason Owsley 575.495.9976
Please provide any information necessary for navigation to sampling site	GPS: 32.6828,-103.7245

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 446178

CONDITIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 446178
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
mtaylorpr	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.	3/27/2025

Sante Fe Main Office
Phone: (505) 476-3441

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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

Action 447529

QUESTIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 447529
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2407254241
Incident Name	NAPP2407254241 CRAZY WOLF CTB @ 30-025-43135
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-43135] CRAZY WOLF 1 2 B2MM FEDERAL COM #001H

Location of Release Source	
Site Name	Crazy Wolf CTB
Date Release Discovered	02/26/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	1,000
What is the estimated number of samples that will be gathered	5
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/03/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Jason Owsley 575.495.9976
Please provide any information necessary for navigation to sampling site	GPS:32.6828,-103.7245

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 447529

CONDITIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 447529
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
mtaylorpr	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.	4/1/2025

Sante Fe Main Office
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 449502

QUESTIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 449502
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2407254241
Incident Name	NAPP2407254241 CRAZY WOLF CTB @ 30-025-43135
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-43135] CRAZY WOLF 1 2 B2MM FEDERAL COM #001H

Location of Release Source	
Site Name	Crazy Wolf CTB
Date Release Discovered	02/26/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	1,000
What is the estimated number of samples that will be gathered	5
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/10/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Jason Owsley 575.602.5998
Please provide any information necessary for navigation to sampling site	GPS:32.6828,-103.7245

Sante Fe Main Office
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

CONDITIONS

Action 449502

CONDITIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 449502
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
mtaylorpr	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.	4/8/2025

FW: -EXTERNAL- The Oil Conservation Division (OCD) has accepted the application, Application ID: 444510

- Jasono@diamondbacknm.com <jasono@diamondbacknm.com>
- Matthew Taylor <Matthew.Taylor@permianres.com>

Matthew

Friday, March 21, 2025 at 8:30:33 AM

To: You (jasono@diamondbacknm.com)

Attached is the sampling notification for the crazy wolf.

Thanks,

WARNING: The sender of this email could not be validated and may not match the person in the "From" field.

To whom it may concern (c/o Matthew Taylor for Permian Resources Operating, LLC),
The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2407254241.

The sampling event is expected to take place:

When: 03/25/2025 @ 08:00

Where: I-01-19S-32E 0 FNL 0 FEL (32.6828,-103.7245)

Additional Information: Jason Owsley

575.602.5998

Additional Instructions: GPS: 32.6828,-103.7245

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to [19.15.29.12.D](#) NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to [19.15.29.12.D.\(1\).\(c\)](#) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

CAUTION: This email originated from outside of the organization. If it appears to be internal, check directly with assumed source

FW: -EXTERNAL- The Oil Conservation Division (OCD) has accepted the application, Application ID: 446178

- Jasono@diamondbacknm.com <jasono@diamondbacknm.com>
- Matthew Taylor <Matthew.Taylor@permianres.com>

Matthew

Thursday, March 27, 2025 at 9:20:13 AM

To: You (jasono@diamondbacknm.com)

Jason,

Attached is the updated sampling notification for the crazy wolf.

WARNING: The sender of this email could not be validated and may not match the person in the "From" field.

To whom it may concern (c/o Matthew Taylor for Permian Resources Operating, LLC),
The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2407254241.

The sampling event is expected to take place:

When: 03/31/2025 @ 07:00

Where: I-01-19S-32E 0 FNL 0 FEL (32.6828,-103.7245)

Additional Information: Jason Owsley

575.495.9976

Additional Instructions: GPS: 32.6828,-103.7245

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to [19.15.29.12.D](#) NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to [19.15.29.12.D.\(1\).\(c\)](#) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

CAUTION: This email originated from outside of the organization. If it appears to be internal, check directly with assumed source

FW: -EXTERNAL- The Oil Conservation Division (OCD) has accepted the application, Application ID: 449502

- Jasono@diamondbacknm.com <jasono@diamondbacknm.com>
- Matthew Taylor <Matthew.Taylor@permianres.com>

Matthew

Tuesday, April 8, 2025 at 8:34:49 AM

To: You (jasono@diamondbacknm.com)

Updated sampling notification for the Crazy Wolf.

WARNING: The sender of this email could not be validated and may not match the person in the "From" field.

To whom it may concern (c/o Matthew Taylor for Permian Resources Operating, LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2407254241.

The sampling event is expected to take place:

When: 04/10/2025 @ 08:00

Where: I-01-19S-32E 0 FNL 0 FEL (32.6828,-103.7245)

Additional Information: Jason Owsley

575.602.5998

Additional Instructions: GPS:32.6828,-103.7245

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to [19.15.29.12.D](#) NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to [19.15.29.12.D.\(1\).\(c\)](#) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

CAUTION: This email originated from outside of the organization. If it appears to be internal, check directly with assumed source

Appendix F Lab Results Originals



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

March 31, 2025

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: CRAZY WOLF

Enclosed are the results of analyses for samples received by the laboratory on 03/25/25 16:33.

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.

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' at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/31/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: W 1 @ 0' - 2' (H251760-01)

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	03/30/2025	ND	1.99	99.5	2.00	1.96	
Toluene*	<0.050	0.050	03/30/2025	ND	2.01	100	2.00	4.97	
Ethylbenzene*	<0.050	0.050	03/30/2025	ND	2.19	110	2.00	6.68	
Total Xylenes*	<0.150	0.150	03/30/2025	ND	6.64	111	6.00	6.89	
Total BTX	<0.300	0.300	03/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	03/28/2025	ND	416	104	400	3.77	

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	03/26/2025	ND	197	98.5	200	0.336	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 82.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.8 % 40.6-153

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

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

Cardinal Laboratories

*=Accredited Analyte

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

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: DiamondBack Disposals

Project Manager: Justin Roberts

Address: 2525 NW County RD

City: Hobbs

Phone #: (575)-392-9996

Project #: PRS-120

Project Name: Crazy Wolf

Project Location: 32.683027, -10372418

Sampler Name: Josh James

Lab I.D.

FOR LAB USE ONLY

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: Permian Resources

Address: Montgomery Floyd

City:

State:

Zip:

Phone #:

Fax #:

MATRIX

PRESERV.

SAMPLING

Sample I.D.

11951200

W1 @ 0' - 2'

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

CL

EXT

TPH

BTEX

CL

EXT

TPH

BTEX

CL

EXT

TPH

BTEX

CL

EXT

TPH

BTEX

CL

EXT

TPH

BTEX

CL

EXT

TPH

BTEX

CL

BASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date:

Received By:

Verbal Result: ☐ Yes ☐ No

Add Phone #:

Relinquished By:

Date:

Received By:

REMARKS:

Relinquished By:

Date:

Received By:

REMARKS:

Delivered By: (Circle One)

Observed Temp. °C

Corrected Temp. °C

Sample Condition

CHECKED BY: (Initials)

Turnaround Time:

Standard

Bacteria (only) Sample Condition

Thermometer ID #140

Correction Factor

Yes ☐ No ☐

Yes ☐ No ☐

Yes ☐ No ☐

Yes ☐ No ☐



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

March 31, 2025

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: CRAZY WOLF

Enclosed are the results of analyses for samples received by the laboratory on 03/25/25 16:33.

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.

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:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/31/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 1 @ 2' (H251761-01)

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	03/29/2025	ND	1.92	95.8	2.00	7.27	
Toluene*	<0.050	0.050	03/29/2025	ND	1.97	98.5	2.00	0.891	
Ethylbenzene*	<0.050	0.050	03/29/2025	ND	2.21	111	2.00	2.21	
Total Xylenes*	<0.150	0.150	03/29/2025	ND	6.72	112	6.00	2.71	
Total BTX	<0.300	0.300	03/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	03/28/2025	ND	416	104	400	3.77	

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	03/26/2025	ND	197	98.5	200	0.336	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 79.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.6 % 40.6-153

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:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/31/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 2 @ 2' (H251761-02)

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	03/29/2025	ND	1.92	95.8	2.00	7.27		
Toluene*	<0.050	0.050	03/29/2025	ND	1.97	98.5	2.00	0.891		
Ethylbenzene*	<0.050	0.050	03/29/2025	ND	2.21	111	2.00	2.21		
Total Xylenes*	<0.150	0.150	03/29/2025	ND	6.72	112	6.00	2.71		
Total BTEX	<0.300	0.300	03/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	03/28/2025	ND	416	104	400	3.77		

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	03/26/2025	ND	197	98.5	200	0.336	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/31/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 3 @ 2' (H251761-03)

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	03/29/2025	ND	1.92	95.8	2.00	7.27		
Toluene*	<0.050	0.050	03/29/2025	ND	1.97	98.5	2.00	0.891		
Ethylbenzene*	<0.050	0.050	03/29/2025	ND	2.21	111	2.00	2.21		
Total Xylenes*	<0.150	0.150	03/29/2025	ND	6.72	112	6.00	2.71		
Total BTEX	<0.300	0.300	03/29/2025	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	03/28/2025	ND	416	104	400	3.77		

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	03/26/2025	ND	197	98.5	200	0.336	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 83.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.8 % 40.6-153

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:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/31/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 4 @ 2' (H251761-04)

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	03/29/2025	ND	1.92	95.8	2.00	7.27		
Toluene*	<0.050	0.050	03/29/2025	ND	1.97	98.5	2.00	0.891		
Ethylbenzene*	<0.050	0.050	03/29/2025	ND	2.21	111	2.00	2.21		
Total Xylenes*	<0.150	0.150	03/29/2025	ND	6.72	112	6.00	2.71		
Total BTEX	<0.300	0.300	03/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	03/28/2025	ND	416	104	400	3.77		

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	03/26/2025	ND	197	98.5	200	0.336	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 82.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.3 % 40.6-153

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:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/31/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 5 @ 2' (H251761-05)

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	03/29/2025	ND	1.92	95.8	2.00	7.27		
Toluene*	<0.050	0.050	03/29/2025	ND	1.97	98.5	2.00	0.891		
Ethylbenzene*	<0.050	0.050	03/29/2025	ND	2.21	111	2.00	2.21		
Total Xylenes*	<0.150	0.150	03/29/2025	ND	6.72	112	6.00	2.71		
Total BTEX	<0.300	0.300	03/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	03/28/2025	ND	416	104	400	3.77		

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	03/26/2025	ND	197	98.5	200	0.336	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 85.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.9 % 40.6-153

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:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/31/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 6 @ 2' (H251761-06)

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	03/29/2025	ND	1.92	95.8	2.00	7.27		
Toluene*	<0.050	0.050	03/29/2025	ND	1.97	98.5	2.00	0.891		
Ethylbenzene*	<0.050	0.050	03/29/2025	ND	2.21	111	2.00	2.21		
Total Xylenes*	<0.150	0.150	03/29/2025	ND	6.72	112	6.00	2.71		
Total BTEX	<0.300	0.300	03/29/2025	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	48.0	16.0	03/28/2025	ND	464	116	400	7.14		

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	03/26/2025	ND	197	98.5	200	0.336	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 89.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.5 % 40.6-153

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
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 Fax To: (575) 392-9376

Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/31/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 7 @ 2' (H251761-07)

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	03/29/2025	ND	1.92	95.8	2.00	7.27		
Toluene*	<0.050	0.050	03/29/2025	ND	1.97	98.5	2.00	0.891		
Ethylbenzene*	<0.050	0.050	03/29/2025	ND	2.21	111	2.00	2.21		
Total Xylenes*	<0.150	0.150	03/29/2025	ND	6.72	112	6.00	2.71		
Total BTEX	<0.300	0.300	03/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	48.0	16.0	03/28/2025	ND	464	116	400	7.14		

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	03/26/2025	ND	197	98.5	200	0.336	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 76.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.4 % 40.6-153

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Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/31/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 8 @ 2' (H251761-08)

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	03/29/2025	ND	1.92	95.8	2.00	7.27		
Toluene*	<0.050	0.050	03/29/2025	ND	1.97	98.5	2.00	0.891		
Ethylbenzene*	<0.050	0.050	03/29/2025	ND	2.21	111	2.00	2.21		
Total Xylenes*	<0.150	0.150	03/29/2025	ND	6.72	112	6.00	2.71		
Total BTEX	<0.300	0.300	03/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	03/28/2025	ND	464	116	400	7.14		

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	03/26/2025	ND	197	98.5	200	0.336	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.8 % 40.6-153

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Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/31/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 9 @ 5' (H251761-09)

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	03/29/2025	ND	1.92	95.8	2.00	7.27		
Toluene*	<0.050	0.050	03/29/2025	ND	1.97	98.5	2.00	0.891		
Ethylbenzene*	<0.050	0.050	03/29/2025	ND	2.21	111	2.00	2.21		
Total Xylenes*	0.214	0.150	03/29/2025	ND	6.72	112	6.00	2.71		
Total BTEX	<0.300	0.300	03/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 132 % 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	03/28/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	15.9	10.0	03/26/2025	ND	197	98.5	200	0.336	
DRO >C10-C28*	858	10.0	03/26/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	156	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 85.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.4 % 40.6-153

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Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/31/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 10 @ 4' (H251761-10)

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	03/29/2025	ND	1.92	95.8	2.00	7.27		
Toluene*	<0.050	0.050	03/29/2025	ND	1.97	98.5	2.00	0.891		
Ethylbenzene*	<0.050	0.050	03/29/2025	ND	2.21	111	2.00	2.21		
Total Xylenes*	<0.150	0.150	03/29/2025	ND	6.72	112	6.00	2.71		
Total BTEX	<0.300	0.300	03/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	03/28/2025	ND	464	116	400	7.14		

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	03/26/2025	ND	197	98.5	200	0.336	
DRO >C10-C28*	31.0	10.0	03/26/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	12.1	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 88.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.7 % 40.6-153

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Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/31/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 11 @ 4' (H251761-11)

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	03/29/2025	ND	1.92	95.8	2.00	7.27		
Toluene*	<0.050	0.050	03/29/2025	ND	1.97	98.5	2.00	0.891		
Ethylbenzene*	<0.050	0.050	03/29/2025	ND	2.21	111	2.00	2.21		
Total Xylenes*	<0.150	0.150	03/29/2025	ND	6.72	112	6.00	2.71		
Total BTX	<0.300	0.300	03/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	16.0	16.0	03/28/2025	ND	464	116	400	7.14	

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	03/26/2025	ND	197	98.5	200	0.336	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 73.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.5 % 40.6-153

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Analytical Results For:

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 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/31/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 12 @ 4' (H251761-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2025	ND	1.92	95.8	2.00	7.27		
Toluene*	<0.050	0.050	03/29/2025	ND	1.97	98.5	2.00	0.891		
Ethylbenzene*	<0.050	0.050	03/29/2025	ND	2.21	111	2.00	2.21		
Total Xylenes*	<0.150	0.150	03/29/2025	ND	6.72	112	6.00	2.71		
Total BTEX	<0.300	0.300	03/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 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	03/28/2025	ND	464	116	400	7.14		

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	03/26/2025	ND	197	98.5	200	0.336	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 77.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.6 % 40.6-153

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Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/31/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 13 @ 4' (H251761-13)

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	03/29/2025	ND	1.92	95.8	2.00	7.27		
Toluene*	<0.050	0.050	03/29/2025	ND	1.97	98.5	2.00	0.891		
Ethylbenzene*	<0.050	0.050	03/29/2025	ND	2.21	111	2.00	2.21		
Total Xylenes*	<0.150	0.150	03/29/2025	ND	6.72	112	6.00	2.71		
Total BTEX	<0.300	0.300	03/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	03/28/2025	ND	464	116	400	7.14		

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	03/26/2025	ND	197	98.5	200	0.336	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 81.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.8 % 40.6-153

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Analytical Results For:

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 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/31/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 14 @ 4' (H251761-14)

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	03/29/2025	ND	1.92	95.8	2.00	7.27		
Toluene*	<0.050	0.050	03/29/2025	ND	1.97	98.5	2.00	0.891		
Ethylbenzene*	<0.050	0.050	03/29/2025	ND	2.21	111	2.00	2.21		
Total Xylenes*	<0.150	0.150	03/29/2025	ND	6.72	112	6.00	2.71		
Total BTEX	<0.300	0.300	03/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	03/28/2025	ND	464	116	400	7.14		

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	03/26/2025	ND	197	98.5	200	0.336	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 80.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/31/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 15 @ 4' (H251761-15)

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	03/29/2025	ND	1.92	95.8	2.00	7.27		
Toluene*	<0.050	0.050	03/29/2025	ND	1.97	98.5	2.00	0.891		
Ethylbenzene*	<0.050	0.050	03/29/2025	ND	2.21	111	2.00	2.21		
Total Xylenes*	<0.150	0.150	03/29/2025	ND	6.72	112	6.00	2.71		
Total BTX	<0.300	0.300	03/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	48.0	16.0	03/28/2025	ND	464	116	400	7.14		

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	03/26/2025	ND	197	98.5	200	0.336	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 76.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/31/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 16 @ 3' (H251761-16)

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	03/29/2025	ND	1.92	95.8	2.00	7.27	
Toluene*	<0.050	0.050	03/29/2025	ND	1.97	98.5	2.00	0.891	
Ethylbenzene*	<0.050	0.050	03/29/2025	ND	2.21	111	2.00	2.21	
Total Xylenes*	<0.150	0.150	03/29/2025	ND	6.72	112	6.00	2.71	
Total BTX	<0.300	0.300	03/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	03/28/2025	ND	464	116	400	7.14		

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	03/26/2025	ND	197	98.5	200	0.336	
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	195	97.4	200	1.51	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 82.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 03/25/2025
 Reported: 03/31/2025
 Project Name: CRAZY WOLF
 Project Number: PRS - 120
 Project Location: 32.683027, -103.72418

Sampling Date: 03/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: B 17 @ 3' (H251761-17)

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	03/29/2025	ND	1.92	95.8	2.00	7.27	
Toluene*	<0.050	0.050	03/29/2025	ND	1.97	98.5	2.00	0.891	
Ethylbenzene*	<0.050	0.050	03/29/2025	ND	2.21	111	2.00	2.21	
Total Xylenes*	<0.150	0.150	03/29/2025	ND	6.72	112	6.00	2.71	
Total BTEX	<0.300	0.300	03/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 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	48.0	16.0	03/28/2025	ND	464	116	400	7.14		

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	03/26/2025	ND	203	102	200	2.07	QR-03
DRO >C10-C28*	<10.0	10.0	03/26/2025	ND	205	102	200	0.585	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 85.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/25/2025	Sampling Date:	03/25/2025
Reported:	03/31/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 18 @ 3' (H251761-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2025	ND	1.92	95.8	2.00	7.27		
Toluene*	<0.050	0.050	03/29/2025	ND	1.97	98.5	2.00	0.891		
Ethylbenzene*	<0.050	0.050	03/29/2025	ND	2.21	111	2.00	2.21		
Total Xylenes*	<0.150	0.150	03/29/2025	ND	6.72	112	6.00	2.71		
Total BTEX	<0.300	0.300	03/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	03/28/2025	ND	464	116	400	7.14		

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	03/26/2025	ND	203	102	200	2.07	
DRO >C10-C28*	11.7	10.0	03/26/2025	ND	205	102	200	0.585	
EXT DRO >C28-C36	<10.0	10.0	03/26/2025	ND					

Surrogate: 1-Chlorooctane 81.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.7 % 40.6-153

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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.
- 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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: DiamondBack Disposals

Project Manager: Justin Roberts

Address: 2525 NW County RD

City: Hobbs

Phone #: (575)-392-9996

Project #: PRS-120

Project Name: Crazy Wolf

Project Location: 32.683027, -103.72418

Sampler Name: Josh James

Lab I.D.

P.O. #:

Company: Permian Resources

Address: Montgomery Floyd

City:

State:

Zip:

Phone #:

Fax #:

MATRIX

PRESERV.

SAMPLING

Sample I.D.

		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	EXT	TPH	BTEX	F	U	L	L	T	C	N	O	R	M
B11 @ 4'	C	I	X										3/25/25	11:22 AM	X	X		X										
B12 @ 4'	C	I	X										3/25/25	11:24 AM	X	X		X										
B13 @ 4'	C	I	X										3/25/25	11:26 AM	X	X		X										
B14 @ 4'	C	I	X										3/25/25	11:28 AM	X	X		X										
B15 @ 4'	C	I	X										3/25/25	11:30 AM	X	X		X										
B16 @ 3'	C	I	X										3/25/25	11:32 AM	X	X		X										
B17 @ 3'	C	I	X										3/25/25	11:34 AM	X	X		X										
B18 @ 3'	C	I	X										3/25/25	11:36 AM	X	X		X										

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Date: 3/25/25

Time: 11:33

Date: 3/25/25

Time: 11:33

Relinquished By: [Signature]

Observed Temp. °C: 8.1

Corrected Temp. °C: 8.4

Sample Condition: Cool Intact

CHECKED BY: [Signature]

Turnaround Time: Standard

Thermometer ID #140

Correction Factor: 10.3

Corrected Temp. °C

Remarks:

Verbal Result: Yes No

Add'l Phone #:

All Results are emailed. Please provide Email address: environmental@diamondbacknm.com



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

April 01, 2025

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: CRAZY WOLF

Enclosed are the results of analyses for samples received by the laboratory on 03/26/25 16:13.

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.

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' at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/26/2025	Sampling Date:	03/26/2025
Reported:	04/01/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Tamara Oldaker
Project Location:	32.683027, -103.72418		

Sample ID: B 19 @ 3' (H251795-01)

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	03/31/2025	ND	2.00	99.9	2.00	0.532	
Toluene*	<0.050	0.050	03/31/2025	ND	2.04	102	2.00	1.86	
Ethylbenzene*	<0.050	0.050	03/31/2025	ND	2.03	101	2.00	1.71	
Total Xylenes*	<0.150	0.150	03/31/2025	ND	6.16	103	6.00	1.30	
Total BTX	<0.300	0.300	03/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 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	32.0	16.0	03/27/2025	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	03/27/2025	ND	206	103	200	2.13	
DRO >C10-C28*	<10.0	10.0	03/27/2025	ND	198	99.0	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					

Surrogate: 1-Chlorooctane 93.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 03/26/2025
 Reported: 04/01/2025
 Project Name: CRAZY WOLF
 Project Number: PRS - 120
 Project Location: 32.683027, -103.72418

Sampling Date: 03/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 20 @ 3' (H251795-02)

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	03/31/2025	ND	2.00	99.9	2.00	0.532		
Toluene*	<0.050	0.050	03/31/2025	ND	2.04	102	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/31/2025	ND	2.03	101	2.00	1.71		
Total Xylenes*	<0.150	0.150	03/31/2025	ND	6.16	103	6.00	1.30		
Total BTEX	<0.300	0.300	03/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 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	48.0	16.0	03/27/2025	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	03/27/2025	ND	206	103	200	2.13	
DRO >C10-C28*	24.9	10.0	03/27/2025	ND	198	99.0	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					

Surrogate: 1-Chlorooctane 89.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/26/2025	Sampling Date:	03/26/2025
Reported:	04/01/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Tamara Oldaker
Project Location:	32.683027, -103.72418		

Sample ID: B 21 @ 3' (H251795-03)

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	03/31/2025	ND	2.00	99.9	2.00	0.532		
Toluene*	<0.050	0.050	03/31/2025	ND	2.04	102	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/31/2025	ND	2.03	101	2.00	1.71		
Total Xylenes*	<0.150	0.150	03/31/2025	ND	6.16	103	6.00	1.30		
Total BTEX	<0.300	0.300	03/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 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	32.0	16.0	03/27/2025	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	03/27/2025	ND	207	104	200	0.0343	
DRO >C10-C28*	<10.0	10.0	03/27/2025	ND	199	99.4	200	0.591	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					

Surrogate: 1-Chlorooctane 89.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/26/2025	Sampling Date:	03/26/2025
Reported:	04/01/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Tamara Oldaker
Project Location:	32.683027, -103.72418		

Sample ID: B 22 @ 3' (H251795-04)

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	03/31/2025	ND	2.00	99.9	2.00	0.532	
Toluene*	<0.050	0.050	03/31/2025	ND	2.04	102	2.00	1.86	
Ethylbenzene*	<0.050	0.050	03/31/2025	ND	2.03	101	2.00	1.71	
Total Xylenes*	<0.150	0.150	03/31/2025	ND	6.16	103	6.00	1.30	
Total BTX	<0.300	0.300	03/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	64.0	16.0	03/27/2025	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	03/27/2025	ND	207	104	200	0.0343	
DRO >C10-C28*	<10.0	10.0	03/27/2025	ND	199	99.4	200	0.591	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					

Surrogate: 1-Chlorooctane 93.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 03/26/2025
 Reported: 04/01/2025
 Project Name: CRAZY WOLF
 Project Number: PRS - 120
 Project Location: 32.683027, -103.72418

Sampling Date: 03/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 23 @ 3' (H251795-05)

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	03/31/2025	ND	2.00	99.9	2.00	0.532		
Toluene*	<0.050	0.050	03/31/2025	ND	2.04	102	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/31/2025	ND	2.03	101	2.00	1.71		
Total Xylenes*	<0.150	0.150	03/31/2025	ND	6.16	103	6.00	1.30		
Total BTEX	<0.300	0.300	03/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	80.0	16.0	03/27/2025	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	03/27/2025	ND	207	104	200	0.0343	
DRO >C10-C28*	33.6	10.0	03/27/2025	ND	199	99.4	200	0.591	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					

Surrogate: 1-Chlorooctane 98.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 03/26/2025
 Reported: 04/01/2025
 Project Name: CRAZY WOLF
 Project Number: PRS - 120
 Project Location: 32.683027, -103.72418

Sampling Date: 03/26/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 24 @ 3' (H251795-06)

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	03/31/2025	ND	2.00	99.9	2.00	0.532		
Toluene*	<0.050	0.050	03/31/2025	ND	2.04	102	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/31/2025	ND	2.03	101	2.00	1.71		
Total Xylenes*	<0.150	0.150	03/31/2025	ND	6.16	103	6.00	1.30		
Total BTEX	<0.300	0.300	03/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	112	16.0	03/27/2025	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	03/27/2025	ND	207	104	200	0.0343	
DRO >C10-C28*	14.9	10.0	03/27/2025	ND	199	99.4	200	0.591	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					

Surrogate: 1-Chlorooctane 85.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	03/26/2025	Sampling Date:	03/26/2025
Reported:	04/01/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Tamara Oldaker
Project Location:	32.683027, -103.72418		

Sample ID: B 25 @ 3' (H251795-07)

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	03/31/2025	ND	2.00	99.9	2.00	0.532		
Toluene*	<0.050	0.050	03/31/2025	ND	2.04	102	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/31/2025	ND	2.03	101	2.00	1.71		
Total Xylenes*	<0.150	0.150	03/31/2025	ND	6.16	103	6.00	1.30		
Total BTX	<0.300	0.300	03/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	96.0	16.0	03/27/2025	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	03/27/2025	ND	207	104	200	0.0343	
DRO >C10-C28*	<10.0	10.0	03/27/2025	ND	199	99.4	200	0.591	
EXT DRO >C28-C36	<10.0	10.0	03/27/2025	ND					

Surrogate: 1-Chlorooctane 86.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.2 % 40.6-153

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

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: DiamondBack Disposals

Project Manager: Justin Roberts

Address: 2525 NW County RD

City: Hobbs

Phone #: (575)-392-9996

Project #: PRS-120

Project Name: Crazy Wolf

Project Location: 32.683027, -103.72418

Sampler Name: Josh James

Lab I.D.

FOR LAB USE ONLY

BILL TO

P.O. #:

Company: Permian Resources

Address: Montgomery Floyd

City:

State:

Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

Sample I.D.

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

CL

EXT

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BTEX

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

April 07, 2025

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: CRAZY WOLF

Enclosed are the results of analyses for samples received by the laboratory on 04/01/25 8:24.

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.

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:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/01/2025	Sampling Date:	03/31/2025
Reported:	04/07/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: H1 @ SFC (H251897-01)

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	04/02/2025	ND	2.01	100	2.00	4.70		
Toluene*	<0.050	0.050	04/02/2025	ND	2.17	108	2.00	5.15		
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.43	122	2.00	6.84		
Total Xylenes*	<0.150	0.150	04/02/2025	ND	7.41	123	6.00	6.95		
Total BTEx	<0.300	0.300	04/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	04/01/2025	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	04/01/2025	ND	207	103	200	0.173	
DRO >C10-C28*	131	10.0	04/01/2025	ND	196	98.0	200	1.87	
EXT DRO >C28-C36	64.7	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 73.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 04/01/2025
 Reported: 04/07/2025
 Project Name: CRAZY WOLF
 Project Number: PRS - 120
 Project Location: 32.683027, -103.72418

Sampling Date: 03/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: H2 @ SFC (H251897-02)

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	04/02/2025	ND	2.01	100	2.00	4.70		
Toluene*	<0.050	0.050	04/02/2025	ND	2.17	108	2.00	5.15		
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.43	122	2.00	6.84		
Total Xylenes*	<0.150	0.150	04/02/2025	ND	7.41	123	6.00	6.95		
Total BTEX	<0.300	0.300	04/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	04/01/2025	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	04/01/2025	ND	207	103	200	0.173	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	196	98.0	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 99.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/01/2025	Sampling Date:	03/31/2025
Reported:	04/07/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: H3 @ SFC (H251897-03)

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	04/02/2025	ND	2.01	100	2.00	4.70	
Toluene*	<0.050	0.050	04/02/2025	ND	2.17	108	2.00	5.15	
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.43	122	2.00	6.84	
Total Xylenes*	<0.150	0.150	04/02/2025	ND	7.41	123	6.00	6.95	
Total BTEX	<0.300	0.300	04/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	04/01/2025	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	04/01/2025	ND	207	103	200	0.173	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	196	98.0	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 99.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/01/2025	Sampling Date:	03/31/2025
Reported:	04/07/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: H4 @ SFC (H251897-04)

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	04/02/2025	ND	2.01	100	2.00	4.70		
Toluene*	<0.050	0.050	04/02/2025	ND	2.17	108	2.00	5.15		
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.43	122	2.00	6.84		
Total Xylenes*	<0.150	0.150	04/02/2025	ND	7.41	123	6.00	6.95		
Total BTEX	<0.300	0.300	04/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	04/01/2025	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	04/01/2025	ND	207	103	200	0.173	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	196	98.0	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.9 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: DiamondBack Disposals

BILL TO

ANALYSIS REQUEST

Project Manager: Justin Roberts

P.O. #:

Address: 2525 NW County RD

Company: Permian Resources

City: Hobbs

State: NM ZIP: 88240

Address: Montgomery Floyd

Phone #: (575)-392-9996

City:

Project #: PRS-120

State:

Project Name: Crazy Wolf

Zip:

Project Location: 32.683027, -103.72418

Phone #:

Sampler Name: Josh James

Fax #:

FOR LAB USE ONLY

MATRIX PRESERV. SAMPLING

Sample I.D.

1451804

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER : ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

CL

EXT

TPH

BTEX

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H1 @ Sfc

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Inquired By:

Date:

Received By:

Verbal Result:

Add'l Phone #:

Inquired By:

Date:

Received By:

REMARKS:

Delivered By: (Circle One)
Printer - UPS - Bus - Other:

Observed Temp. °C
Corrected Temp. °C

Sample Condition
Cool Intact
Yes ☒ No ☐

CHECKED BY:
(Initials)

Turnaround Time: Standard ☒ Backlogs (only) Sample Condition
Rush ☐ Cool Intact Observed Temp. °C

Thermometer ID #140
Correction Factor

Yes ☐ No ☐

Yes ☐ No ☐



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

April 07, 2025

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: CRAZY WOLF

Enclosed are the results of analyses for samples received by the laboratory on 04/01/25 8:24.

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.

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:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/01/2025	Sampling Date:	03/31/2025
Reported:	04/07/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 26 @ 4' (H251898-01)

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	04/02/2025	ND	2.01	100	2.00	4.70	
Toluene*	<0.050	0.050	04/02/2025	ND	2.17	108	2.00	5.15	
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.43	122	2.00	6.84	
Total Xylenes*	<0.150	0.150	04/02/2025	ND	7.41	123	6.00	6.95	
Total BTX	<0.300	0.300	04/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	04/01/2025	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	04/01/2025	ND	207	103	200	0.173	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	196	98.0	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 97.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 04/01/2025
 Reported: 04/07/2025
 Project Name: CRAZY WOLF
 Project Number: PRS - 120
 Project Location: 32.683027, -103.72418

Sampling Date: 03/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: B 27 @ 4' (H251898-02)

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	04/02/2025	ND	2.01	100	2.00	4.70	
Toluene*	<0.050	0.050	04/02/2025	ND	2.17	108	2.00	5.15	
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.43	122	2.00	6.84	
Total Xylenes*	<0.150	0.150	04/02/2025	ND	7.41	123	6.00	6.95	
Total BTEX	<0.300	0.300	04/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	04/01/2025	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	04/01/2025	ND	207	103	200	0.173	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	196	98.0	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 95.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/01/2025	Sampling Date:	03/31/2025
Reported:	04/07/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 28 @ 4' (H251898-03)

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	04/02/2025	ND	2.01	100	2.00	4.70	
Toluene*	<0.050	0.050	04/02/2025	ND	2.17	108	2.00	5.15	
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.43	122	2.00	6.84	
Total Xylenes*	<0.150	0.150	04/02/2025	ND	7.41	123	6.00	6.95	
Total BTEx	<0.300	0.300	04/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-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	04/01/2025	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	04/01/2025	ND	207	103	200	0.173	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	196	98.0	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 04/01/2025
 Reported: 04/07/2025
 Project Name: CRAZY WOLF
 Project Number: PRS - 120
 Project Location: 32.683027, -103.72418

Sampling Date: 03/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: B 29 @ 4' (H251898-04)

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	04/02/2025	ND	2.01	100	2.00	4.70		
Toluene*	<0.050	0.050	04/02/2025	ND	2.17	108	2.00	5.15		
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.43	122	2.00	6.84		
Total Xylenes*	<0.150	0.150	04/02/2025	ND	7.41	123	6.00	6.95		
Total BTEX	<0.300	0.300	04/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	04/01/2025	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	04/01/2025	ND	207	103	200	0.173	
DRO >C10-C28*	33.2	10.0	04/01/2025	ND	196	98.0	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.0 % 40.6-153

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 04/01/2025
 Reported: 04/07/2025
 Project Name: CRAZY WOLF
 Project Number: PRS - 120
 Project Location: 32.683027, -103.72418

Sampling Date: 03/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: B 30 @ 4' (H251898-05)

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	04/02/2025	ND	2.01	100	2.00	4.70		
Toluene*	<0.050	0.050	04/02/2025	ND	2.17	108	2.00	5.15		
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.43	122	2.00	6.84		
Total Xylenes*	<0.150	0.150	04/02/2025	ND	7.41	123	6.00	6.95		
Total BTEx	<0.300	0.300	04/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/01/2025	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	04/01/2025	ND	207	103	200	0.173	
DRO >C10-C28*	37.8	10.0	04/01/2025	ND	196	98.0	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 99.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.8 % 40.6-153

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/01/2025	Sampling Date:	03/31/2025
Reported:	04/07/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 31 @ 4' (H251898-06)

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	04/02/2025	ND	2.01	100	2.00	4.70		
Toluene*	<0.050	0.050	04/02/2025	ND	2.17	108	2.00	5.15		
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.43	122	2.00	6.84		
Total Xylenes*	<0.150	0.150	04/02/2025	ND	7.41	123	6.00	6.95		
Total BTEx	<0.300	0.300	04/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	144	16.0	04/01/2025	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	04/01/2025	ND	207	103	200	0.173	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	196	98.0	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.8 % 40.6-153

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
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 Fax To: (575) 392-9376

Received:	04/01/2025	Sampling Date:	03/31/2025
Reported:	04/07/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 32 @ 4' (H251898-07)

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	04/02/2025	ND	2.01	100	2.00	4.70		
Toluene*	<0.050	0.050	04/02/2025	ND	2.17	108	2.00	5.15		
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.43	122	2.00	6.84		
Total Xylenes*	<0.150	0.150	04/02/2025	ND	7.41	123	6.00	6.95		
Total BTEX	<0.300	0.300	04/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	04/01/2025	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	04/01/2025	ND	207	103	200	0.173		
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	196	98.0	200	1.87		
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND						

Surrogate: 1-Chlorooctane 94.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.0 % 40.6-153

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 Fax To: (575) 392-9376

Received:	04/01/2025	Sampling Date:	03/31/2025
Reported:	04/07/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 33 @ 4' (H251898-08)

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	04/02/2025	ND	2.01	100	2.00	4.70		
Toluene*	<0.050	0.050	04/02/2025	ND	2.17	108	2.00	5.15		
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.43	122	2.00	6.84		
Total Xylenes*	<0.150	0.150	04/02/2025	ND	7.41	123	6.00	6.95		
Total BTEX	<0.300	0.300	04/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	04/01/2025	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	04/01/2025	ND	207	103	200	0.173		
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	196	98.0	200	1.87		
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND						

Surrogate: 1-Chlorooctane 93.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.2 % 40.6-153

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 Fax To: (575) 392-9376

Received:	04/01/2025	Sampling Date:	03/31/2025
Reported:	04/07/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 34 @ 4' (H251898-09)

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	04/02/2025	ND	2.01	100	2.00	4.70		
Toluene*	<0.050	0.050	04/02/2025	ND	2.17	108	2.00	5.15		
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.43	122	2.00	6.84		
Total Xylenes*	<0.150	0.150	04/02/2025	ND	7.41	123	6.00	6.95		
Total BTEX	<0.300	0.300	04/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	04/01/2025	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	04/01/2025	ND	207	103	200	0.173	
DRO >C10-C28*	12.7	10.0	04/01/2025	ND	196	98.0	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 98.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.7 % 40.6-153

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/01/2025	Sampling Date:	03/31/2025
Reported:	04/07/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 35 @ 4' (H251898-10)

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	04/02/2025	ND	2.01	100	2.00	4.70		
Toluene*	<0.050	0.050	04/02/2025	ND	2.17	108	2.00	5.15		
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.43	122	2.00	6.84		
Total Xylenes*	<0.150	0.150	04/02/2025	ND	7.41	123	6.00	6.95		
Total BTEX	<0.300	0.300	04/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	04/01/2025	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	04/01/2025	ND	207	103	200	0.173	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	196	98.0	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 96.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.4 % 40.6-153

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/01/2025	Sampling Date:	03/31/2025
Reported:	04/07/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 36 @ 4' (H251898-11)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/01/2025	ND	1.99	99.4	2.00	4.50		
Toluene*	<0.050	0.050	04/01/2025	ND	2.07	104	2.00	5.50		
Ethylbenzene*	<0.050	0.050	04/01/2025	ND	2.03	102	2.00	6.44		
Total Xylenes*	<0.150	0.150	04/01/2025	ND	5.98	99.7	6.00	6.67		
Total BTEX	<0.300	0.300	04/01/2025	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	80.0	16.0	04/01/2025	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	04/01/2025	ND	207	103	200	0.173	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	196	98.0	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 99.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.3 % 40.6-153

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/01/2025	Sampling Date:	03/31/2025
Reported:	04/07/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 37 @ 4' (H251898-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/02/2025	ND	1.99	99.4	2.00	4.50		
Toluene*	<0.050	0.050	04/02/2025	ND	2.07	104	2.00	5.50		
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.03	102	2.00	6.44		
Total Xylenes*	<0.150	0.150	04/02/2025	ND	5.98	99.7	6.00	6.67		
Total BTEX	<0.300	0.300	04/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	80.0	16.0	04/01/2025	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	04/01/2025	ND	207	103	200	0.173	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	196	98.0	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.1 % 40.6-153

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DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/01/2025	Sampling Date:	03/31/2025
Reported:	04/07/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 38 @ 4' (H251898-13)

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	04/02/2025	ND	1.99	99.4	2.00	4.50		
Toluene*	<0.050	0.050	04/02/2025	ND	2.07	104	2.00	5.50		
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.03	102	2.00	6.44		
Total Xylenes*	<0.150	0.150	04/02/2025	ND	5.98	99.7	6.00	6.67		
Total BTEX	<0.300	0.300	04/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	64.0	16.0	04/01/2025	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	04/01/2025	ND	207	103	200	0.173	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	196	98.0	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 88.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.7 % 40.6-153

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

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 "Celey D. Keene", is written over a horizontal line.

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

BILL TO

ANALYSIS REQUEST

Company Name: DiamondBack Disposals		P.O. #:	
Project Manager: Justin Roberts		Company: Permian Resources	
Address: 2525 NW County RD		Montgomery Floyd	
City: Hobbs	State: NM	ZIP: 88240	Address:
Phone #: (575)-392-9996	Project #:	City:	State:
Project Name: PRS-120	Project Location: 32.683027, -10372418	State:	Zip:
Project Name: Crazy Wolf	Sample Name: Josh James	Phone #:	Fax #:
Lab I.D.	FOR LAB USE ONLY		

Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	CL	EXT TPH	BTEX	C L I P	N O R M																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Inquired By: <i>[Signature]</i>	Date: 4-1-25	Received By: <i>[Signature]</i>	Date: 4-1-25
Inquired By: <i>[Signature]</i>	Date: 4-1-25	Received By: <i>[Signature]</i>	Date: 4-1-25

Observed Temp. °C	Corrected Temp. °C	Sample Condition	CHECKED BY: (Initials)
1-4-2	1-4-2	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	AB

Thermometer ID #140	Correction Factor +0.3°C	Standard <input checked="" type="checkbox"/> Bacteria (only) Sample Condition
		Corrected Temp. °C



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

April 07, 2025

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: CRAZY WOLF

Enclosed are the results of analyses for samples received by the laboratory on 04/01/25 8:24.

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.

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:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/01/2025	Sampling Date:	03/31/2025
Reported:	04/07/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: W2 @ 0-4' (H251899-01)

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	04/02/2025	ND	1.99	99.4	2.00	4.50	
Toluene*	<0.050	0.050	04/02/2025	ND	2.07	104	2.00	5.50	
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.03	102	2.00	6.44	
Total Xylenes*	<0.150	0.150	04/02/2025	ND	5.98	99.7	6.00	6.67	
Total BTX	<0.300	0.300	04/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	48.0	16.0	04/01/2025	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	04/01/2025	ND	207	103	200	0.173	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	196	98.0	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 96.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/01/2025	Sampling Date:	03/31/2025
Reported:	04/07/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: W3 @ 0-4' (H251899-02)

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	04/02/2025	ND	1.99	99.4	2.00	4.50	
Toluene*	<0.050	0.050	04/02/2025	ND	2.07	104	2.00	5.50	
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.03	102	2.00	6.44	
Total Xylenes*	<0.150	0.150	04/02/2025	ND	5.98	99.7	6.00	6.67	
Total BTEX	<0.300	0.300	04/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	48.0	16.0	04/01/2025	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	04/01/2025	ND	207	103	200	0.173	
DRO >C10-C28*	14.0	10.0	04/01/2025	ND	196	98.0	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 88.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.2 % 40.6-153

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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:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 04/01/2025
 Reported: 04/07/2025
 Project Name: CRAZY WOLF
 Project Number: PRS - 120
 Project Location: 32.683027, -103.72418

Sampling Date: 03/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: W4 @ 0-4' (H251899-03)

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	04/02/2025	ND	1.99	99.4	2.00	4.50		
Toluene*	<0.050	0.050	04/02/2025	ND	2.07	104	2.00	5.50		
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.03	102	2.00	6.44		
Total Xylenes*	<0.150	0.150	04/02/2025	ND	5.98	99.7	6.00	6.67		
Total BTEX	<0.300	0.300	04/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	48.0	16.0	04/01/2025	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	04/01/2025	ND	209	104	200	3.10	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	201	100	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 90.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.7 % 40.6-153

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 04/01/2025
 Reported: 04/07/2025
 Project Name: CRAZY WOLF
 Project Number: PRS - 120
 Project Location: 32.683027, -103.72418

Sampling Date: 03/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: W5 @ 0-4' (H251899-04)

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	04/02/2025	ND	1.99	99.4	2.00	4.50		
Toluene*	<0.050	0.050	04/02/2025	ND	2.07	104	2.00	5.50		
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.03	102	2.00	6.44		
Total Xylenes*	<0.150	0.150	04/02/2025	ND	5.98	99.7	6.00	6.67		
Total BTEX	<0.300	0.300	04/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	48.0	16.0	04/01/2025	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	04/01/2025	ND	209	104	200	3.10	
DRO >C10-C28*	11.0	10.0	04/01/2025	ND	201	100	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 83.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.1 % 40.6-153

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Analytical Results For:

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 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/01/2025	Sampling Date:	03/31/2025
Reported:	04/07/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: W6 @ 0-3' (H251899-05)

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	04/02/2025	ND	1.99	99.4	2.00	4.50		
Toluene*	<0.050	0.050	04/02/2025	ND	2.07	104	2.00	5.50		
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.03	102	2.00	6.44		
Total Xylenes*	<0.150	0.150	04/02/2025	ND	5.98	99.7	6.00	6.67		
Total BTEX	<0.300	0.300	04/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	48.0	16.0	04/01/2025	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	04/01/2025	ND	209	104	200	3.10	
DRO >C10-C28*	46.5	10.0	04/01/2025	ND	201	100	200	3.58	
EXT DRO >C28-C36	15.8	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 91.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.1 % 40.6-153

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Analytical Results For:

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 JUSTIN ROBERTS
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 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/01/2025	Sampling Date:	03/31/2025
Reported:	04/07/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: W7 @ 0-4' (H251899-06)

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	04/02/2025	ND	1.99	99.4	2.00	4.50		
Toluene*	<0.050	0.050	04/02/2025	ND	2.07	104	2.00	5.50		
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.03	102	2.00	6.44		
Total Xylenes*	<0.150	0.150	04/02/2025	ND	5.98	99.7	6.00	6.67		
Total BTEX	<0.300	0.300	04/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	32.0	16.0	04/01/2025	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	04/01/2025	ND	209	104	200	3.10	
DRO >C10-C28*	20.9	10.0	04/01/2025	ND	201	100	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 85.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.7 % 40.6-153

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Analytical Results For:

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 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 04/01/2025
 Reported: 04/07/2025
 Project Name: CRAZY WOLF
 Project Number: PRS - 120
 Project Location: 32.683027, -103.72418

Sampling Date: 03/31/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: W8 @ 0-4' (H251899-07)

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	04/02/2025	ND	1.99	99.4	2.00	4.50	
Toluene*	<0.050	0.050	04/02/2025	ND	2.07	104	2.00	5.50	
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.03	102	2.00	6.44	
Total Xylenes*	<0.150	0.150	04/02/2025	ND	5.98	99.7	6.00	6.67	
Total BTEX	<0.300	0.300	04/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	32.0	16.0	04/01/2025	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	04/01/2025	ND	209	104	200	3.10	
DRO >C10-C28*	14.7	10.0	04/01/2025	ND	201	100	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 87.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.5 % 40.6-153

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Analytical Results For:

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 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/01/2025	Sampling Date:	03/31/2025
Reported:	04/07/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: W9 @ 0-5' (H251899-08)

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	04/02/2025	ND	1.99	99.4	2.00	4.50		
Toluene*	<0.050	0.050	04/02/2025	ND	2.07	104	2.00	5.50		
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.03	102	2.00	6.44		
Total Xylenes*	<0.150	0.150	04/02/2025	ND	5.98	99.7	6.00	6.67		
Total BTEX	<0.300	0.300	04/02/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	16.0	16.0	04/01/2025	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	04/01/2025	ND	209	104	200	3.10		
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	201	100	200	3.58		
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND						

Surrogate: 1-Chlorooctane 87.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.8 % 40.6-153

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Analytical Results For:

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 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/01/2025	Sampling Date:	03/31/2025
Reported:	04/07/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: W10 @ 0-4' (H251899-09)

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	04/02/2025	ND	1.99	99.4	2.00	4.50	
Toluene*	<0.050	0.050	04/02/2025	ND	2.07	104	2.00	5.50	
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.03	102	2.00	6.44	
Total Xylenes*	<0.150	0.150	04/02/2025	ND	5.98	99.7	6.00	6.67	
Total BTEX	<0.300	0.300	04/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	<16.0	16.0	04/01/2025	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	04/01/2025	ND	209	104	200	3.10	
DRO >C10-C28*	44.2	10.0	04/01/2025	ND	201	100	200	3.58	
EXT DRO >C28-C36	17.7	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 84.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.9 % 40.6-153

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/01/2025	Sampling Date:	03/31/2025
Reported:	04/07/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: W11 @ 0-3' (H251899-10)

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	04/02/2025	ND	1.99	99.4	2.00	4.50	
Toluene*	<0.050	0.050	04/02/2025	ND	2.07	104	2.00	5.50	
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.03	102	2.00	6.44	
Total Xylenes*	<0.150	0.150	04/02/2025	ND	5.98	99.7	6.00	6.67	
Total BTEX	<0.300	0.300	04/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	48.0	16.0	04/01/2025	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	04/01/2025	ND	209	104	200	3.10	
DRO >C10-C28*	12.0	10.0	04/01/2025	ND	201	100	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 80.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.3 % 40.6-153

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Analytical Results For:

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 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/01/2025	Sampling Date:	03/31/2025
Reported:	04/07/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: W12 @ 0-4' (H251899-11)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/02/2025	ND	1.99	99.4	2.00	4.50	
Toluene*	<0.050	0.050	04/02/2025	ND	2.07	104	2.00	5.50	
Ethylbenzene*	<0.050	0.050	04/02/2025	ND	2.03	102	2.00	6.44	
Total Xylenes*	<0.150	0.150	04/02/2025	ND	5.98	99.7	6.00	6.67	
Total BTEX	<0.300	0.300	04/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	32.0	16.0	04/01/2025	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	04/01/2025	ND	209	104	200	3.10	
DRO >C10-C28*	<10.0	10.0	04/01/2025	ND	201	100	200	3.58	
EXT DRO >C28-C36	<10.0	10.0	04/01/2025	ND					

Surrogate: 1-Chlorooctane 74.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

Page 14 of 15

Released to Imaging: 7/17/2025 3:46:21 PM

Company Name: DiamondBack Disposals							BILL TO							ANALYSIS REQUEST						
Project Manager: Justin Roberts							P.O. #:													
Address: 2525 NW County RD							Company: Permian Resources													
City: Hobbs							State: NM ZIP: 88240							Montgomery Floyd						
Phone #: (575) 392-9996							Address:													
Project #: PRS-120							City:													
Project Name: Crazy Wolf							State:							Zip:						
Project Location: 32.683027, -10372418							Phone #:													
Sampler Name: Josh James							Fax #:													
Lab I.D.							FOR LAB USE ONLY													
Sample I.D.							(G)RAB OR (C)OMP.													
							# CONTAINERS													
W2 @ 0-4' W3 @ 0-4' W4 @ 0-4' W5 @ 0-4' W6 @ 0-3' W7 @ 0-4' W8 @ 0-5' W9 @ 0-5' W10 @ 0-4' W11 @ 0-3'							GROUNDWATER													
							WASTEWATER													
							SOIL													
							OIL													
							SLUDGE													
							OTHER :													
							ACID/BASE:													
							ICE / COOL													
							OTHER :													
							DATE							TIME						
							CL							EXT						
TPH							BTEX													
F							T													
U							C													
L							L													
L							O													
I							R													
P							M													
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Relinquished By: [Signature]							Date: 4-1-25							Received By: [Signature]						
Time: 8:24							Date: 4-1-25							Time: 8:24						
Observed Temp. °C: 14.1							Corrected Temp. °C: 14.1													
Delivered By: (Circle One) Sampler - UPS - Bus - Other:							Sample Condition Cool Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Cool Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							CHECKED BY: (Initials)						
Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>							Thermometer ID #140							Correction Factor +0.3						
Bacteria (only) Sample Condition							Yes <input type="checkbox"/> No <input type="checkbox"/>							Corrected Temp. °C						
Verbal Result: Yes <input type="checkbox"/> No <input type="checkbox"/>							Add'l Phone #:													
All Results are emailed. Please provide Email address: environmental@diamondbacknm.com																				
REMARKS:																				



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: DiamondBack Disposals

BILL TO

ANALYSIS REQUEST

Project Manager: Justin Roberts

P.O. #:

Address: 2525 NW County RD

Company: Permian Resources

City: Hobbs

State: NM ZIP: 88240

Montgomery Floyd

Phone #: (575)-392-9996

Address:

Project #:

City:

Project Name: Crazy Wolf

State:

Project Location: 32.663027, -103.72418

Zip:

Sampler Name: Josh James

Phone #:

Fax #:

Lab I.D.

Sample I.D.

W12 @ 0-4'

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

CL

EXT

TPH

BTEX

CL

EXT

TPH

BTEX

CL

EXT

TPH

BTEX

CL

EXT

TPH

BTEX

CL

EXT

TPH

BTEX

CL

EXT

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Relinquished By:

Date:

Time:

Received By:

Verbal Result:

Yes No

Add Phone #:

Relinquished By:

Date:

Time:

Received By:

REMARKS:

Delivered By: (Circle One)

Observed Temp. °C

Corrected Temp. °C

Sample Condition

CHECKED BY: (Initials)

Turnaround Time:

Standard

Backlogs (only Sample Condition)

Observed Temp. °C

Thermometer ID #140

Correction Factor: 0.3°C

Yes No

Yes No

Corrected Temp. °C



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

April 09, 2025

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: CRAZY WOLF

Enclosed are the results of analyses for samples received by the laboratory on 04/03/25 16:19.

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.

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:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/03/2025	Sampling Date:	04/03/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: DP 1 @ 3' (H252000-01)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2025	ND	1.80	90.2	2.00	0.983	
Toluene*	0.124	0.050	04/08/2025	ND	1.97	98.4	2.00	0.807	
Ethylbenzene*	7.36	0.050	04/08/2025	ND	2.00	100	2.00	1.66	QM-07
Total Xylenes*	19.9	0.150	04/08/2025	ND	6.35	106	6.00	0.782	QM-07
Total BTEX	27.3	0.300	04/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 219 % 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	256	16.0	04/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	572	50.0	04/07/2025	ND	205	102	200	0.629	
DRO >C10-C28*	16200	50.0	04/07/2025	ND	216	108	200	4.03	
EXT DRO >C28-C36	2680	50.0	04/07/2025	ND					

Surrogate: 1-Chlorooctane 179 % 44.4-145

Surrogate: 1-Chlorooctadecane 540 % 40.6-153

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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:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/03/2025	Sampling Date:	04/03/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: DP 2 @ 3' (H252000-02)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2025	ND	1.80	90.2	2.00	0.983	
Toluene*	<0.050	0.050	04/08/2025	ND	1.97	98.4	2.00	0.807	
Ethylbenzene*	1.59	0.050	04/08/2025	ND	2.00	100	2.00	1.66	
Total Xylenes*	6.92	0.150	04/08/2025	ND	6.35	106	6.00	0.782	
Total BTEX	8.51	0.300	04/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 243 % 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	128	16.0	04/07/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	430	10.0	04/07/2025	ND	205	102	200	0.629	
DRO >C10-C28*	8160	10.0	04/07/2025	ND	216	108	200	4.03	
EXT DRO >C28-C36	1230	10.0	04/07/2025	ND					

Surrogate: 1-Chlorooctane 227 % 44.4-145

Surrogate: 1-Chlorooctadecane 300 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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".

Celey D. Keene, Lab Director/Quality Manager



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

April 10, 2025

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: CRAZY WOLF

Enclosed are the results of analyses for samples received by the laboratory on 04/03/25 16:19.

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: CRAZY WOLF
Project Number: PRS - 120
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
10-Apr-25 17:45

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DP 1 @ 3"	H252000-01	Soil	03-Apr-25 11:14	03-Apr-25 16:19
DP 2 @ 3"	H252000-02	Soil	03-Apr-25 11:16	03-Apr-25 16:19

04/10/25 - Client changed sample depths (see COC). This is the revised report and will replace the one sent on 04/09/25.

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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: CRAZY WOLF
Project Number: PRS - 120
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
10-Apr-25 17:45

DP 1 @ 3"
H252000-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	256		16.0	mg/kg	4	5040735	KV	07-Apr-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	5040601	JH	08-Apr-25	8021B	
Toluene*	0.124		0.050	mg/kg	50	5040601	JH	08-Apr-25	8021B	
Ethylbenzene*	7.36		0.050	mg/kg	50	5040601	JH	08-Apr-25	8021B	QM-07
Total Xylenes*	19.9		0.150	mg/kg	50	5040601	JH	08-Apr-25	8021B	QM-07
Total BTEX	27.3		0.300	mg/kg	50	5040601	JH	08-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 219 % 71.5-134 5040601 JH 08-Apr-25 8021B

Petroleum Hydrocarbons by GC FID**S-06**

GRO C6-C10*	572		50.0	mg/kg	5	5040402	MS	07-Apr-25	8015B	
DRO >C10-C28*	16200		50.0	mg/kg	5	5040402	MS	07-Apr-25	8015B	
EXT DRO >C28-C36	2680		50.0	mg/kg	5	5040402	MS	07-Apr-25	8015B	

Surrogate: 1-Chlorooctane 179 % 44.4-145 5040402 MS 07-Apr-25 8015B

Surrogate: 1-Chlorooctadecane 540 % 40.6-153 5040402 MS 07-Apr-25 8015B

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:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: CRAZY WOLF
Project Number: PRS - 120
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
10-Apr-25 17:45

DP 2 @ 3"
H252000-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	5040735	KV	07-Apr-25	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021**S-04**

Benzene*	<0.050		0.050	mg/kg	50	5040601	JH	08-Apr-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5040601	JH	08-Apr-25	8021B	
Ethylbenzene*	1.59		0.050	mg/kg	50	5040601	JH	08-Apr-25	8021B	
Total Xylenes*	6.92		0.150	mg/kg	50	5040601	JH	08-Apr-25	8021B	
Total BTEX	8.51		0.300	mg/kg	50	5040601	JH	08-Apr-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		243 %		71.5-134		5040601	JH	08-Apr-25	8021B	
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Petroleum Hydrocarbons by GC FID**S-04**

GRO C6-C10*	430		10.0	mg/kg	1	5040402	MS	07-Apr-25	8015B	
DRO >C10-C28*	8160		10.0	mg/kg	1	5040402	MS	07-Apr-25	8015B	
EXT DRO >C28-C36	1230		10.0	mg/kg	1	5040402	MS	07-Apr-25	8015B	

Surrogate: 1-Chlorooctane		227 %		44.4-145		5040402	MS	07-Apr-25	8015B	
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Surrogate: 1-Chlorooctadecane		300 %		40.6-153		5040402	MS	07-Apr-25	8015B	
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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:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: CRAZY WOLF
Project Number: PRS - 120
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
10-Apr-25 17:45

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 5040735 - 1:4 DI Water									
Blank (5040735-BLK1)				Prepared & Analyzed: 07-Apr-25					
Chloride	ND	16.0	mg/kg						
LCS (5040735-BS1)				Prepared & Analyzed: 07-Apr-25					
Chloride	416	16.0	mg/kg	400		104	80-120		
LCS Dup (5040735-BSD1)				Prepared & Analyzed: 07-Apr-25					
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: CRAZY WOLF
Project Number: PRS - 120
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
10-Apr-25 17:45

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5040601 - Volatiles**Blank (5040601-BLK1)**

Prepared: 06-Apr-25 Analyzed: 07-Apr-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0628		mg/kg	0.0500		126	71.5-134			

LCS (5040601-BS1)

Prepared: 06-Apr-25 Analyzed: 07-Apr-25

Benzene	1.80	0.050	mg/kg	2.00		90.2	82.8-130			
Toluene	1.97	0.050	mg/kg	2.00		98.4	86-128			
Ethylbenzene	2.00	0.050	mg/kg	2.00		100	85.9-128			
m,p-Xylene	4.33	0.100	mg/kg	4.00		108	89-129			
o-Xylene	2.02	0.050	mg/kg	2.00		101	86.1-125			
Total Xylenes	6.35	0.150	mg/kg	6.00		106	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0490		mg/kg	0.0500		97.9	71.5-134			

LCS Dup (5040601-BSD1)

Prepared: 06-Apr-25 Analyzed: 07-Apr-25

Benzene	1.79	0.050	mg/kg	2.00		89.3	82.8-130	0.983	15.8	
Toluene	1.95	0.050	mg/kg	2.00		97.6	86-128	0.807	15.9	
Ethylbenzene	1.97	0.050	mg/kg	2.00		98.5	85.9-128	1.66	16	
m,p-Xylene	4.31	0.100	mg/kg	4.00		108	89-129	0.467	16.2	
o-Xylene	1.99	0.050	mg/kg	2.00		99.5	86.1-125	1.46	16.7	
Total Xylenes	6.30	0.150	mg/kg	6.00		105	88.2-128	0.782	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0484		mg/kg	0.0500		96.8	71.5-134			

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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
P. O. BOX 2491
HOBBS NM, 88241

Project: CRAZY WOLF
Project Number: PRS - 120
Project Manager: JUSTIN ROBERTS
Fax To: (575) 392-9376

Reported:
10-Apr-25 17:45

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 5040402 - General Prep - Organics**Blank (5040402-BLK1)**

Prepared: 04-Apr-25 Analyzed: 07-Apr-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	44.4		mg/kg	50.0		88.7	44.4-145			
Surrogate: 1-Chlorooctadecane	41.7		mg/kg	50.0		83.4	40.6-153			

LCS (5040402-BS1)

Prepared: 04-Apr-25 Analyzed: 07-Apr-25

GRO C6-C10	205	10.0	mg/kg	200		102	81.5-123			
DRO >C10-C28	216	10.0	mg/kg	200		108	77.7-122			
Total TPH C6-C28	421	10.0	mg/kg	400		105	80.9-121			
Surrogate: 1-Chlorooctane	46.4		mg/kg	50.0		92.8	44.4-145			
Surrogate: 1-Chlorooctadecane	44.8		mg/kg	50.0		89.6	40.6-153			

LCS Dup (5040402-BS1)

Prepared: 04-Apr-25 Analyzed: 07-Apr-25

GRO C6-C10	206	10.0	mg/kg	200		103	81.5-123	0.629	13	
DRO >C10-C28	207	10.0	mg/kg	200		104	77.7-122	4.03	15.6	
Total TPH C6-C28	413	10.0	mg/kg	400		103	80.9-121	1.73	18.5	
Surrogate: 1-Chlorooctane	52.7		mg/kg	50.0		105	44.4-145			
Surrogate: 1-Chlorooctadecane	45.9		mg/kg	50.0		91.8	40.6-153			

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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 cursive script, appearing to read "Celey D. Keene".

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: DiamondBack Disposals

BILL TO

ANALYSIS REQUEST

Project Manager: Justin Roberts

P.O. #:

Address: 2525 NW County RD

Company: Permian Resources

City: Hobbs

State: NM ZIP: 88240

Montgomery Floyd

Phone #: (575)-392-9996

Address:

Project #: PRS-120

City:

Project Name: Crazy Wolf

State: Zip:

Project Location: 32.683027, -10372418

Phone #:

Sampler Name: Josh James

Fax #:

FOR LAB USE ONLY
Lab I.D.

Sample I.D.

DP1 @ 3"	DP2 @ 3"	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					DATE	TIME	CL	EXT TPH	BTX	F U L L P	T C L I M	N O R M
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE								
1	1		1	X	X	X			4/3/25	11:14 AM	X	X	X			
2	2		1	X					4/3/25	11:16 AM	X	X	X			

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Relinquished By:

Date: 4/3/25

Received By:

Relinquished By: [Signature]

Date: 4/3/25

Received By: [Signature]

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C
Corrected Temp. °C

Sample Condition
Cool Intact
☒ Yes ☐ No

CHECKED BY: (Initials)

Turnaround Time: Standard ☒ Backlog (only) Sample Condition

Thermometer ID #140
Correction Factor +0.3°C

Yes ☐ No ☐ Corrected Temp. °C

REMARKS: Customer requested Depth Change 4/4/10/25

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address: environmental@diamondbacknm.com



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

April 09, 2025

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: CRAZY WOLF

Enclosed are the results of analyses for samples received by the laboratory on 04/03/25 16:19.

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.

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' at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/03/2025	Sampling Date:	04/03/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 39 @ 3' (H252002-01)

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	04/08/2025	ND	1.80	90.2	2.00	0.983	
Toluene*	<0.050	0.050	04/08/2025	ND	1.97	98.4	2.00	0.807	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.00	100	2.00	1.66	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.35	106	6.00	0.782	
Total BTX	<0.300	0.300	04/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	48.0	16.0	04/07/2025	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	04/07/2025	ND	205	102	200	0.629	
DRO >C10-C28*	279	10.0	04/07/2025	ND	216	108	200	4.03	
EXT DRO >C28-C36	71.3	10.0	04/07/2025	ND					

Surrogate: 1-Chlorooctane 76.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/03/2025	Sampling Date:	04/03/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 40 @ 3' (H252002-02)

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	04/08/2025	ND	1.80	90.2	2.00	0.983		
Toluene*	<0.050	0.050	04/08/2025	ND	1.97	98.4	2.00	0.807		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.00	100	2.00	1.66		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.35	106	6.00	0.782		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	64.0	16.0	04/07/2025	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	04/07/2025	ND	205	102	200	0.629	
DRO >C10-C28*	<10.0	10.0	04/07/2025	ND	216	108	200	4.03	
EXT DRO >C28-C36	<10.0	10.0	04/07/2025	ND					

Surrogate: 1-Chlorooctane 79.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/03/2025	Sampling Date:	04/03/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: B 41 @ 3' (H252002-03)

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	04/08/2025	ND	1.80	90.2	2.00	0.983		
Toluene*	<0.050	0.050	04/08/2025	ND	1.97	98.4	2.00	0.807		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.00	100	2.00	1.66		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.35	106	6.00	0.782		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	64.0	16.0	04/07/2025	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	04/07/2025	ND	205	102	200	0.629	
DRO >C10-C28*	18.6	10.0	04/07/2025	ND	216	108	200	4.03	
EXT DRO >C28-C36	<10.0	10.0	04/07/2025	ND					

Surrogate: 1-Chlorooctane 85.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 04/03/2025
 Reported: 04/09/2025
 Project Name: CRAZY WOLF
 Project Number: PRS - 120
 Project Location: 32.683027, -103.72418

Sampling Date: 04/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: B 9 @ 5' (H252002-04)

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	04/08/2025	ND	1.80	90.2	2.00	0.983		
Toluene*	<0.050	0.050	04/08/2025	ND	1.97	98.4	2.00	0.807		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.00	100	2.00	1.66		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.35	106	6.00	0.782		
Total BTEX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	80.0	16.0	04/07/2025	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	04/07/2025	ND	205	102	200	0.629	
DRO >C10-C28*	23.4	10.0	04/07/2025	ND	216	108	200	4.03	
EXT DRO >C28-C36	<10.0	10.0	04/07/2025	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.1 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

Cardinal Laboratories

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

Celey D. Keene, Lab Director/Quality Manager



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

April 09, 2025

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: CRAZY WOLF

Enclosed are the results of analyses for samples received by the laboratory on 04/03/25 16:19.

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.

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:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/03/2025	Sampling Date:	04/03/2025
Reported:	04/09/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: W 13 @ 0-3' (H252003-01)

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	04/08/2025	ND	1.80	90.2	2.00	0.983		
Toluene*	<0.050	0.050	04/08/2025	ND	1.97	98.4	2.00	0.807		
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.00	100	2.00	1.66		
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.35	106	6.00	0.782		
Total BTX	<0.300	0.300	04/08/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 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	04/07/2025	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	04/07/2025	ND	205	102	200	0.629	
DRO >C10-C28*	<10.0	10.0	04/07/2025	ND	216	108	200	4.03	
EXT DRO >C28-C36	<10.0	10.0	04/07/2025	ND					

Surrogate: 1-Chlorooctane 84.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.2 % 40.6-153

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:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 04/03/2025
 Reported: 04/09/2025
 Project Name: CRAZY WOLF
 Project Number: PRS - 120
 Project Location: 32.683027, -103.72418

Sampling Date: 04/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: W 14 @ 0-3' (H252003-02)

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	04/08/2025	ND	1.80	90.2	2.00	0.983	
Toluene*	<0.050	0.050	04/08/2025	ND	1.97	98.4	2.00	0.807	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.00	100	2.00	1.66	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.35	106	6.00	0.782	
Total BTEx	<0.300	0.300	04/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-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	04/07/2025	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	04/07/2025	ND	205	102	200	0.629	
DRO >C10-C28*	<10.0	10.0	04/07/2025	ND	216	108	200	4.03	
EXT DRO >C28-C36	<10.0	10.0	04/07/2025	ND					

Surrogate: 1-Chlorooctane 85.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.3 % 40.6-153

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:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 04/03/2025
 Reported: 04/09/2025
 Project Name: CRAZY WOLF
 Project Number: PRS - 120
 Project Location: 32.683027, -103.72418

Sampling Date: 04/03/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: W 15 @ 0-3' (H252003-03)

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	04/08/2025	ND	1.80	90.2	2.00	0.983	
Toluene*	<0.050	0.050	04/08/2025	ND	1.97	98.4	2.00	0.807	
Ethylbenzene*	<0.050	0.050	04/08/2025	ND	2.00	100	2.00	1.66	
Total Xylenes*	<0.150	0.150	04/08/2025	ND	6.35	106	6.00	0.782	
Total BTEx	<0.300	0.300	04/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-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	04/07/2025	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	04/07/2025	ND	205	102	200	0.629	
DRO >C10-C28*	32.4	10.0	04/07/2025	ND	216	108	200	4.03	
EXT DRO >C28-C36	<10.0	10.0	04/07/2025	ND					

Surrogate: 1-Chlorooctane 78.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.2 % 40.6-153

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

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

Cardinal Laboratories

*=Accredited Analyte

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

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: DiamondBack Disposals

Project Manager: Justin Roberts

Address: 2525 NW County RD

City: Hobbs State: NM ZIP: 88240

Phone #: (575)-392-9996

Project #: DPC-120

Project Name:	Crazy Wolf
---------------	------------

Project Location: 32683027 -10372418

Project Location	Contractor
1000 N. Main St.	John Jones

Samplir na

Lab I.D.

Sample I.D.

Handwritten signature: *[Signature]*

1	W13@a 0-3'
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7	W14@a0-3'
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3	W15@a 0-3'
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CASE NOTE: Liability and Damages. Cardinal's liability and client's exposure to liability is not limited by the fact that Cardinal is not a public utility. Cardinal's liability is not limited by the fact that Cardinal is not a public utility. Cardinal's liability is not limited by the fact that Cardinal is not a public utility.

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+ Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Released to Imaging: 7/17/2025 3:46:21 PM

Received by OCD: 5/30/2025 1:47:20 PM

Released to Imaging: 7/17/2025 3:46:21 PM



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

April 16, 2025

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: CRAZY WOLF

Enclosed are the results of analyses for samples received by the laboratory on 04/10/25 12:45.

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.

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:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 04/10/2025
 Reported: 04/16/2025
 Project Name: CRAZY WOLF
 Project Number: PRS - 120
 Project Location: 32.683027, -103.72418

Sampling Date: 04/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 39 @ 3'6" (H252146-01)

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	04/10/2025	ND	2.12	106	2.00	0.170	
Toluene*	<0.050	0.050	04/10/2025	ND	2.14	107	2.00	0.104	
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.09	104	2.00	0.282	
Total Xylenes*	<0.150	0.150	04/10/2025	ND	6.14	102	6.00	0.105	
Total BTX	<0.300	0.300	04/10/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	80.0	16.0	04/11/2025	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	04/10/2025	ND	189	94.6	200	0.157	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	201	100	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane 95.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.0 % 40.6-153

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:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received: 04/10/2025
 Reported: 04/16/2025
 Project Name: CRAZY WOLF
 Project Number: PRS - 120
 Project Location: 32.683027, -103.72418

Sampling Date: 04/10/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H1 + 5' @ SURFACE (H252146-02)

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	04/10/2025	ND	2.12	106	2.00	0.170		
Toluene*	<0.050	0.050	04/10/2025	ND	2.14	107	2.00	0.104		
Ethylbenzene*	<0.050	0.050	04/10/2025	ND	2.09	104	2.00	0.282		
Total Xylenes*	<0.150	0.150	04/10/2025	ND	6.14	102	6.00	0.105		
Total BTEX	<0.300	0.300	04/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	04/11/2025	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	04/10/2025	ND	189	94.6	200	0.157	
DRO >C10-C28*	<10.0	10.0	04/10/2025	ND	201	100	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	04/10/2025	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.0 % 40.6-153

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

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

Cardinal Laboratories

*=Accredited Analyte

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

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: DiamondBack Disposals

Project Manager: Justin Roberts

Address: 2525 NW County RD

City: Hobbs

Phone #: (575)-392-9996

Project #: PRS-120

Project Name: Crazy Wolf CTB

Project Location: 32.683027, -103.72418

Sampler Name: Jason Owsley

Lab I.D. H352146

FOR LAB USE ONLY

BILL TO

P.O. #:

Company: Permian Resources

Attn: Montgomery Floyd

Address:

City:

State:

Phone #:

Fax #:

ANALYSIS REQUEST

Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				DATE	TIME	PRESERV.				SAMPLING				CL	EXT	TPH	BTX	C	L	I	P	T	O	R	M
			GROUNDWATER	WASTEWATER	SOIL	OIL			OTHER :	ACID/BASE:	ICE / COOL	OTHER :																
1 B39 @ 3'6"	C	1	X				4/10/25	8:30 AM	X				X				X											
2 H1 + 5' @ Surface	C	1	X				4/10/25	8:32 AM	X				X				X											

NOTE: Liability and Damages. Cardinal's liability and clients' exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the analyses or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date: 4-10-25

Received By:

Verbal Result: ☐ Yes ☐ No

Additional Phone #:

Remarks:

Relinquished By:

Date: 4-10-25

Received By:

Remarks:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C: 44.4

Corrected Temp. °C: 44.7

Sample Condition
☒ Cool ☒ Intact
☐ Yes ☐ No

CHECKED BY: (Initials)
V.B.

Turnaround Time: ☐ Standard ☒ Rush

Thermometer ID #140

Correction Factor + 0.3°C

Observed Temp. °C: ☐ Yes ☐ No

Corrected Temp. °C: ☐ Yes ☐ No



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

May 06, 2025

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: CRAZY WOLF

Enclosed are the results of analyses for samples received by the laboratory on 04/30/25 10:26.

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.

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' at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/30/2025	Sampling Date:	04/29/2025
Reported:	05/06/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: BACKFILL CALICHE @ SURFACE (H252574-01)

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	04/30/2025	ND	2.01	100	2.00	3.61	
Toluene*	<0.050	0.050	04/30/2025	ND	2.12	106	2.00	3.36	
Ethylbenzene*	<0.050	0.050	04/30/2025	ND	2.19	109	2.00	3.68	
Total Xylenes*	<0.150	0.150	04/30/2025	ND	6.50	108	6.00	3.66	
Total BTEX	<0.300	0.300	04/30/2025	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	96.0	16.0	04/30/2025	ND	400	100	400	18.2		

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	04/30/2025	ND	206	103	200	8.43	
DRO >C10-C28*	<10.0	10.0	04/30/2025	ND	188	93.8	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	04/30/2025	ND					

Surrogate: 1-Chlorooctane 85.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.8 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
 JUSTIN ROBERTS
 P. O. BOX 2491
 HOBBS NM, 88241
 Fax To: (575) 392-9376

Received:	04/30/2025	Sampling Date:	04/29/2025
Reported:	05/06/2025	Sampling Type:	Soil
Project Name:	CRAZY WOLF	Sampling Condition:	Cool & Intact
Project Number:	PRS - 120	Sample Received By:	Alyssa Parras
Project Location:	32.683027, -103.72418		

Sample ID: BACKFILL TOPSOIL @ SURFACE (H252574-02)

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	04/30/2025	ND	2.01	100	2.00	3.61		
Toluene*	<0.050	0.050	04/30/2025	ND	2.12	106	2.00	3.36		
Ethylbenzene*	<0.050	0.050	04/30/2025	ND	2.19	109	2.00	3.68		
Total Xylenes*	<0.150	0.150	04/30/2025	ND	6.50	108	6.00	3.66		
Total BTEx	<0.300	0.300	04/30/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	04/30/2025	ND	400	100	400	18.2		

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	04/30/2025	ND	206	103	200	8.43	
DRO >C10-C28*	<10.0	10.0	04/30/2025	ND	188	93.8	200	1.87	
EXT DRO >C28-C36	<10.0	10.0	04/30/2025	ND					

Surrogate: 1-Chlorooctane 85.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.8 % 40.6-153

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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 "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 5

Company Name: DiamondBack Disposals

ANALYSIS REQUEST

Company: Permian Resources

Attn: Montgomery Floyd

Address:

City:

State:

File #

1. $\frac{1}{2}$ of 100

	PRESERV.
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CASE NOTE: Liability and damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors within one of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Behavior

5.1

+ Cardinal cannot accept verbal changes. Please email changes to celeyn.keene@cardinallabsnm.com

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

QUESTIONS

Action 469368

QUESTIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 469368
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2407254241
Incident Name	NAPP2407254241 CRAZY WOLF CTB @ 30-025-43135
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-43135] CRAZY WOLF 1 2 B2MM FEDERAL COM #001H

Location of Release Source*Please answer all the questions in this group.*

Site Name	CRAZY WOLF CTB
Date Release Discovered	02/26/2024
Surface Owner	Federal

Incident Details*Please answer all the questions in this group.*

Incident Type	Oil 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	Cause: Equipment Failure Separator Crude Oil Released: 32 BBL Recovered: 20 BBL Lost: 12 BBL.
Produced Water Released (bbls) Details	Not answered.
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)	Not answered.

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QUESTIONS, Page 2

Action 469368

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 469368
	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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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	NA

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: Montgomery Floyd Title: Environmental Manager Email: montgomery.floyd@permianres.com Date: 03/12/2024
--	--

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QUESTIONS, Page 3

Action 469368

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 469368
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

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.

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	OCD Imaging Records Lookup
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	Greater than 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	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 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	Yes

Remediation Plan

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.

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)	1470
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	26450
GRO+DRO (EPA SW-846 Method 8015M)	22910
BTEX (EPA SW-846 Method 8021B or 8260B)	586
Benzene (EPA SW-846 Method 8021B or 8260B)	12.5

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.

On what estimated date will the remediation commence	03/18/2025
On what date will (or did) the final sampling or liner inspection occur	04/10/2025
On what date will (or was) the remediation complete(d)	04/30/2025
What is the estimated surface area (in square feet) that will be reclaimed	8311
What is the estimated volume (in cubic yards) that will be reclaimed	996
What is the estimated surface area (in square feet) that will be remediated	8311
What is the estimated volume (in cubic yards) that will be remediated	1238

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.

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.

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QUESTIONS, Page 4

Action 469368

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 469368
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<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>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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	LEA LAND LANDFILL [fEEM0112342028]
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.
<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: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 05/30/2025
<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 469368

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 469368
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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	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	Seperator, electrical, flow line bracing, flowlines.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	1419
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	210
<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	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-025-43135 CRAZY WOLF 1 2 B2MM FEDERAL COM #001H
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: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 05/30/2025

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Phone: (505) 476-3441

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QUESTIONS, Page 6

Action 469368

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 469368
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	449502
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/10/2025
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	1000

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	6892
What was the total volume (cubic yards) remediated	1238
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	6892
What was the total volume (in cubic yards) reclaimed	992
Summarize any additional remediation activities not included by answers (above)	Remediation activates have been completed at the site.

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: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 05/30/2025
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Sante Fe Main Office
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 7

Action 469368

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 469368
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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 469368

CONDITIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 469368
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	The remediation closure report and deferral are approved with the following condition(s): Deferral of DP1 and DP2 are approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	7/17/2025
michael.buchanan	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. The 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.	7/17/2025
michael.buchanan	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	7/17/2025
michael.buchanan	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeded activities, inspections, and final pictures when revegetation is achieved.	7/17/2025
michael.buchanan	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	7/17/2025
michael.buchanan	Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	7/17/2025