

Incident ID	NAPP2318438389
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ 22 _____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

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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: Connor Walker Title: Sr. Engineer

Signature:  Date: 8/31/23

email: cwalker@mewbourne.com Telephone: 806-202-5281

OCD Only

Received by: Shelly Wells Date: 8/31/2023

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Closure

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

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

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

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

Printed Name: Connor Walker Title: Sr. Engineer

Signature:  Date: 8/31/23

email: cwalker@mewbourne.com Telephone: 806-202-5281

OCD Only

Received by: Shelly Wells Date: 8/31/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



MEWBOURNE
OIL COMPANY

Forni #4

API# 30-015-34256

NAPP2318438389

Final Remediation Report



2525 NW County Rd

Hobbs, NM 88240

[\(575\) 392-9996](tel:5753929996)

Introduction

This report represents the results of remediation activities at the Forni #4 well-site release. On behalf of Mewbourne Oil Company (Mewbourne), Diamondback Disposal Services, Inc. (Diamondback) was tasked with the cleanup and remediation of release NAPP2318438389. The release occurred in Unit Letter G, Section 15, Township 22S, Range 27E at coordinates 32.395729, -104.174709. The remediation was performed in general accordance with the New Mexico Oil Conservation Division (NMOCD) and 19.15.29 of the New Mexico Administrative Code (NMAC) effective date August 14, 2018.

Overview

The spill site was located on a well-site within private land. This spill had minor encroachment onto agricultural land consisting of an active crop. The spill was the result of mechanical failure in an above ground storage tank (AST). Approximately 113 barrels of produce water was lost with 63 barrels recovered. All figures were calculated based on current AST level and total capacity.

Upon review of the site characteristics and a search of a groundwater database maintained by The New Mexico Office of the State Engineer (NMOSE) a survey was conducted to determine the average depth to groundwater within a one (1) mile radius of the release site and identify any registered water wells within a ½ mile radius of the release site. Point of Diversion C 02242 was identified and found to have a depth of 22ft to groundwater. Therefore table 1 NMAC 19.15.29.12 closure criteria for groundwater less that 50ft (See Table Below) will be utilized.

Table 1 NMAC 19.15.29.12		
Closure Criteria for Soils Impacted by a Release		
<50 Feet	Chloride	600 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

Remediation Activities

Between the dates of July 3rd, 2023 and July 17th, 2023 Diamondback excavated approximately 312 cubic yards (cy) of impacted material, loaded and transported it to R-360 Halfway Facility for disposal. Depth of excavation ranges from 1-foot BGS to 2-feet BGS. Between the dates of July 3rd, 2023 and July 17th, 2023 the site was sampled to determine the RRAL's had been met. Five-point composite samples were collected, every 200 square feet of side wall and 200 square feet of floor area, packaged and delivered to a third-party lab, with chain of custody for testing as per regulatory standards. (See attached analytical). At the location where the floor sample results exceeded allowed levels of CL the area was over excavated and re-sampled. Upon review of analytical, all wall and floor samples proved to be below table 1 RRAL's for site closure. Being that Table 1 Closure Criteria for groundwater 50' BGS, all restoration and reclamation limits have been met.

On July 14th, 2023 back-filling began and ran through July 17th. Approximately 260 cy of material was obtained from a local source. Backfill was placed in a manner that will promote compaction, prevent storm water run-off and erosion and allow for vegetation to grow in affected off location area.

Conclusion

Upon review of all analytical data provided by the third-party independent lab, results indicated that all recommended remediation action levels and restoration/reclamation criteria were met for all excavated areas. On behalf of Mewbourne Oil Company, we respectfully request the NMOCD grant closure approval for the Forni #4 NAPP2318438389.

Walls "W"

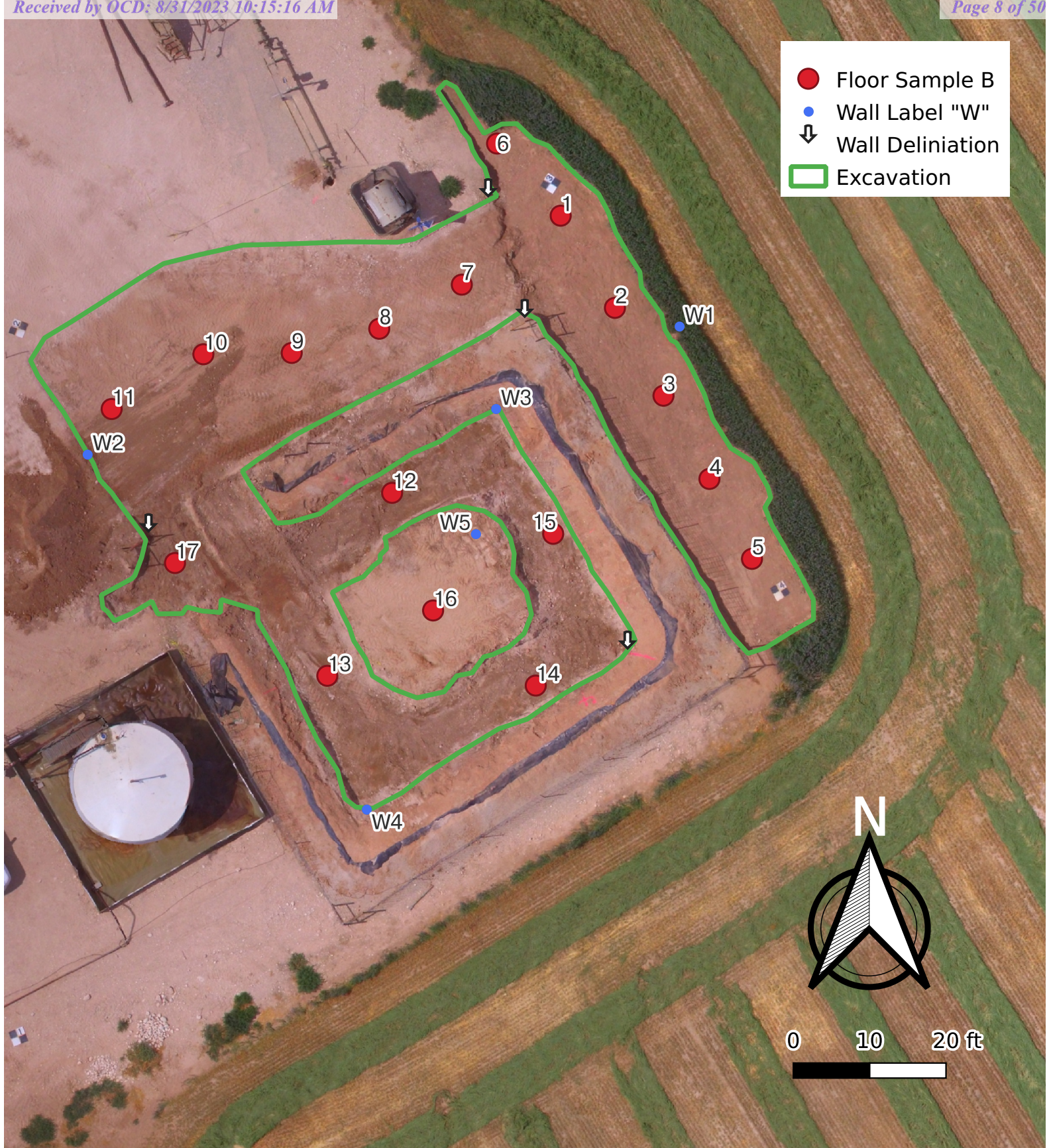
Mewbourne Oil Company
Forni No. 004

Wall Sample Summary

SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE TYPE	SAMPLE DATE	BENZENE	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C10 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TOTAL TPH C6-C36 (mg/kg)	CHLORIDE
W01 Wall	H233430-02	0-1'	Comp	7/5/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.00	<10.0	<10.0	288
W02 Wall	H233454-06	0-1'	Comp	7/6/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	128
W03 Wall	H233504-06	0-2'	Comp	7/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	160
W04 Wall	H233504-05	0-2'	Comp	7/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	512
W05 Wall	H233504-07	0-2'	Comp	7/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	320

Floor Sample Summary

SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE TYPE	SAMPLE DATE	BENZENE	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTEX (mg/kg)	GRO C6-C10 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TOTAL TPH C6-C36 (mg/kg)	CHLORIDE
B01 Floor	H233410-01	1'	Comp	7/3/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	224
B02 Floor	H233410-02	1'	Comp	7/3/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	256
B03 Floor	H233210-03	1'	Comp	7/3/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	208
B04 Floor	H233410-04	1'	Comp	7/3/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	240
B05 Floor	H233410-05	1'	Comp	7/3/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	192
B06 Floor	H233430-01	1'	Comp	7/5/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	160
B07 Floor	H233454-01	1'	Comp	7/6/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.7	20.7	272
B08 Floor	H233454-02	1'	Comp	7/6/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	64
B09 Floor	H233454-03	1'	Comp	7/6/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	208
B10 Floor	H233454-04	1'	Comp	7/6/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	128
B11 Floor	H233454-05	1'	Comp	7/6/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	304
B12 Floor	H233504-01	1'	Comp	7/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	64
B13 Floor	H233504-02	1'	Comp	7/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	80
B14 Floor	H233504-04	1'	Comp	7/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	80
B15 Floor	H233504-03	1'	Comp	7/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	192
B16 Floor	H233504-08	Surface	Comp	7/10/2023	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	640
B16 Floor	H233694-01	6"	Comp	7/17/2023	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	64
B17 Floor	H233504-09	1'5"	Comp	7/10/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	144



Sample Maps

Mewbourne Oil
NAPP2318438389
Forni No. 004



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

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	NAPP2318438389
District RP	
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Release Notification

Responsible Party

Responsible Party	Mewbourne Oil Company	OGRID	14744
Contact Name	Connor Walker	Contact Telephone	806-202-5281
Contact email	cwalker@mewbourne.com	Incident # (assigned by OCD)	nAPP2318438389
Contact mailing address	4801 Business Park Blvd, Hobbs, NM 88240		

Location of Release Source

Latitude 32.395729 Longitude -104.174709
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Forni #4	Site Type: Well
Date Release Discovered: 6/21/2023	API# (if applicable) 30-015-34256

Unit Letter	Section	Township	Range	County
G	15	22S	27E	Eddy

Surface Owner: State Federal Tribal Private (Name: Bindel, Gytha P.)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 113	Volume Recovered (bbls) 63
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input 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
Mechanical failure causing the tank to rupture.

State of New Mexico
Oil Conservation Division

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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 was greater than 25 bbls.
---	---

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
 Notice was given by Jeff Broom to ocd.enviro@state.nm.us on 6/21/2023 @ 5:10 PM via email.

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 not been undertaken, explain why:

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Connor Walker Title: Sr. Engineer

Signature:  Date: 6/23/23

email: cwalker@mewbourne.com Telephone: 806-202-5281

OCD Only

Received by: Shelly Wells Date: 7/3/2023

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

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 235478

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 235478
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	7/3/2023



New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	C 02242	1	1	4	15	22S	27E	577186	3584336

Driller License:		Driller Company:	
Driller Name:	BILL HELLYER		
Drill Start Date:		Drill Finish Date:	12/31/1947
Log File Date:		PCW Rcv Date:	
Pump Type:		Pipe Discharge Size:	
Casing Size:	20.00	Depth Well:	150 feet
		Plug Date:	
		Source:	Shallow
		Estimated Yield:	3500 GPM
		Depth Water:	22 feet

Meter Number:	4695	Meter Make:	WATER SPEC
Meter Serial Number:	961049	Meter Multiplier:	1.0000
Number of Dials:	4	Meter Type:	Diversion
Unit of Measure:	Acre-Feet	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
05/15/2001	2001	0	A	ms		0
07/27/2001	2001	83	A	ms		82.590
09/24/2001	2001	237	A	SS		154.180
11/06/2001	2001	237	A	ms		0
04/09/2002	2002	237	A	MB		0
06/18/2002	2002	494	A	MS		257.410
09/05/2002	2002	601	A	ms		107.090
10/28/2002	2002	648	A	ms		46.640
01/22/2003	2002	648	A	ms		0
04/09/2003	2003	660	A	ms		12.370
06/17/2003	2003	810	A	ms		149.720
08/21/2003	2003	1033	A	ab		223.480
10/28/2003	2003	1121	A	TW		87.520
01/08/2004	2003	1121	A	ab		0
04/22/2004	2004	1198	A	TW		77.350
07/19/2004	2004	1249	A	TW		50.710
10/21/2004	2004	1275	A	TW		25.710
01/03/2005	2004	1275	A	TW		0
04/05/2005	2005	1275	A	JW		0
07/07/2005	2005	1275	A	JW		0
01/09/2006	2005	1275	A	TW		0
02/14/2006	2005	1275	A	ms		0
04/13/2006	2006	1275	A	tw		0
07/13/2006	2006	1275	A	tw		0
11/15/2006	2006	1275	A	tw		0

01/10/2007	2006	1275	A	tw	0
07/11/2007	2007	1275	A	tw	0
10/08/2007	2007	1275	A	tw	0
01/09/2008	2007	1275	A	tw	0
05/01/2008	2008	1275	A	tw	0
07/22/2008	2008	1303	A	tw	28.040
10/09/2008	2008	1310	A	tw	7.000
01/22/2009	2008	1310	A	tw	0
06/02/2009	2009	1320	A	tw	10.550
01/09/2010	2009	1324	A	tw	3.560
07/13/2010	2010	1324	A	tw	0
10/13/2010	2010	1324	A	tw	0
12/28/2010	2010	1324	A	tw	0
08/04/2011	2011	1447	A	tw	123.360
11/01/2011	2011	1559	A	tw	112.040
01/24/2012	2011	1559	A	tw	0
04/16/2012	2012	1580	A	tw	20.970
07/24/2012	2012	1698	A	tw	117.690
02/28/2013	2012	1840	A	tw	141.560
10/29/2013	2013	2111	A	tw	271.270
02/11/2014	2014	2111	A	tw	0
12/19/2014	2014	2117	A	tw	6.090
07/21/2015	2015	2117	A	tw	0

x

**YTD Meter Amounts:		
Year		Amount
2001		236.770
2002		411.140
2003		473.090
2004		153.770
2005		0
2006		0
2007		0
2008		35.040
2009		14.110
2010		0
2011		235.400
2012		280.220
2013		271.270
2014		6.090
2015		0

x

Meter Number:	5413	Meter Make:	ELECTRIC
Meter Serial Number:	55045268	Meter Multiplier:	1.0000
Number of Dials:	5	Meter Type:	Power Child
Unit of Measure:	Kilowatt Hours	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	

x
Meter Readings in (Kilowatt Hours)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
09/25/2001	2001	680	A	SS	New meter	0

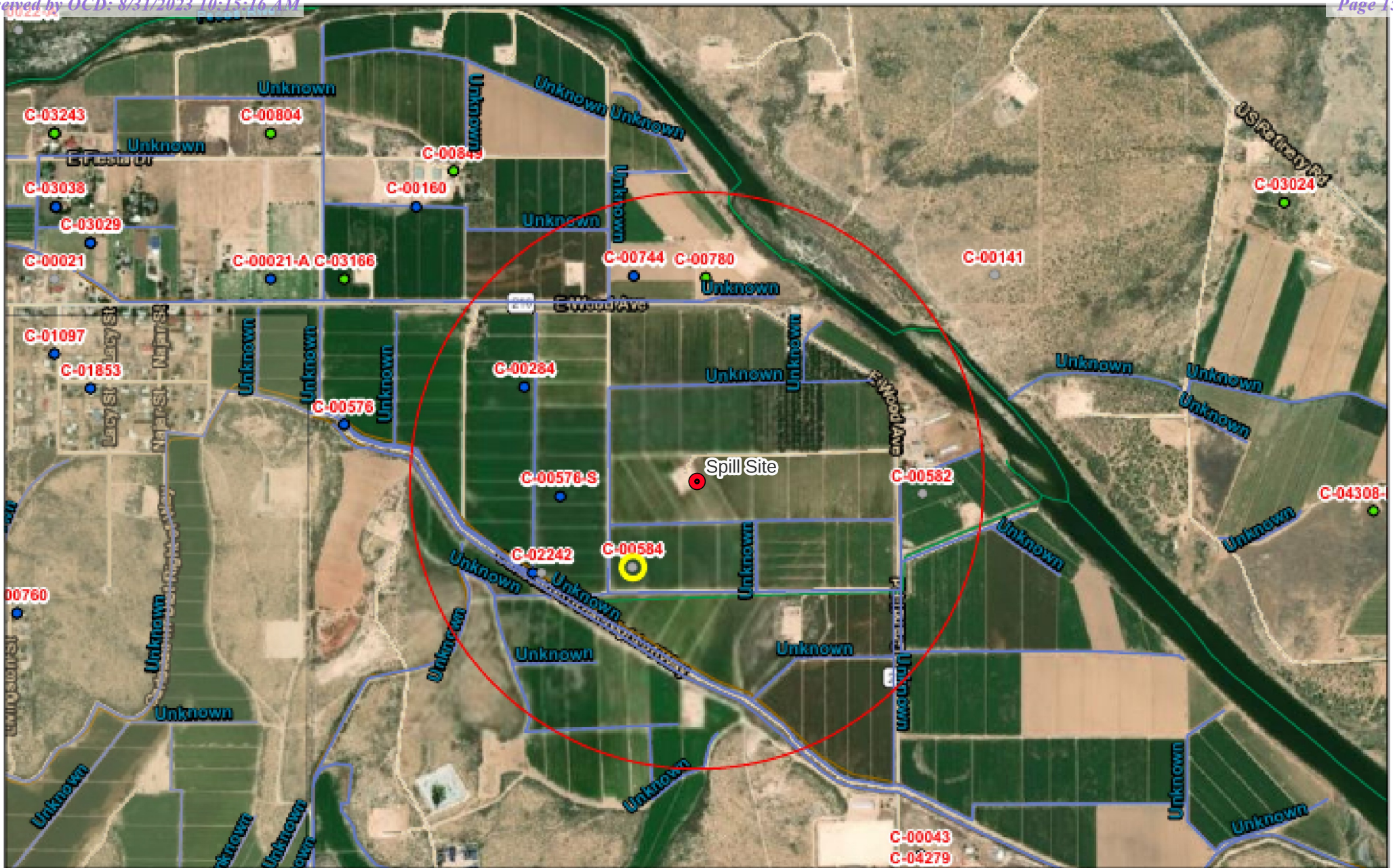
11/06/2001	2001	680	A	AM	0
04/09/2002	2002	680	A	MB	0

**YTD Meter Amounts:		Year	Amount
		2001	0
		2002	0

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

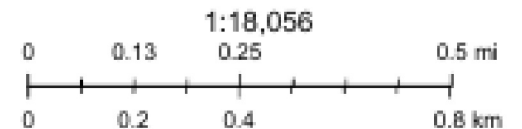
7/11/23 6:45 AM

POINT OF DIVERSION SUMMARY



7/11/2023, 6:51:49 AM

- | | | | | |
|--|---|--|---|--|
| GIS WATERS PODs | OSE District Boundary | Conveyances | NHD Flowlines | Stream River |
| ● Active | New Mexico State Trust Lands | Ditch | Artificial Path | Site Boundaries |
| ● Pending | Subsurface Estate | Lateral | Canal Ditch | |



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

RE: [EXTERNAL] Forni No. 4 nAPP2318438389

From: "Enviro, OCD, EMNRD" <OCD.Enviro@emnrd.nm.gov>
To: Jason Owsley <jasono@diamondbacknm.com>
Cc: "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Hamlet, Robert, EMNRD" <Robert.Hamlet@emnrd.nm.gov>
Date: Tue, 11 Jul 2023 21:11:45 +0000 (07/11/2023 03:11:45 PM)

Jason,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JH

Jocelyn Harimon • Environmental Specialist
 Environmental Bureau
 EMNRD - Oil Conservation Division
 1220 South St. Francis Drive | Santa Fe, NM 87505
 (505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



From: Jason Owsley <jasono@diamondbacknm.com>
Sent: Monday, July 10, 2023 5:44 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Subject: [EXTERNAL] Forni No. 4 nAPP2318438389

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning

Please let this serve as a 48 hour notice to complete confirmation sampling at the Mewbourne Oil Company Forni No. 004 , located at 32.39576, -104.17488 nAPP2318438389. Sampling will take place at 8:00 am on Thursday July, 13th, 2023. If you need further information please feel free to reach out.

--

Jason Owsley
 Phone (575)602-5998
 Email: jasono@diamondbacknm.com



2525 NW County Rd.
Hobbs, NM 88240

Wall Sample Field Notes						
Sample ID	Soil	Water	Ratio	AgNO3	Cl Result	Depth
W1	11.3	30	2.65	0.17	451	0-1'
W2	11.2	30	2.68	0.10	268	0-1'
W3	11.96	31.2	2.61	0.26	678	0-2'
W4	11.14	30.1	2.70	0.16	432	0-2'
W5	11.3	30.2	2.67	0.48	1282	0-2'
W5-5	11.3	33	2.92	1.99	5810	Composite
W5-1	11.07	30.8	2.78	1.99	5535	Composite
W5-2	11.9	30	2.52	0.02	50	Composite
W5-3	11.7	30	2.56	0.14	359	Composite
W5-4	11.1	33	2.97	0.24	713	Composite
W5-5	11	31.6	2.87	0.33	948	Composite
W5-6	11.8	30.1	2.55	0.20	510	Composite
W5-7	11.91	30.02	2.52	0.24	605	Composite
W5-8	11.6	32.8	2.83	0.48	1357	Composite
W- Random	12.5	28.6	2.29	0.02	46	0-2'
W3	11.08	30.3	2.73	0.04	109	0-2'
W5	12.9	29.9	2.32	0.08	185	
Floor Sample Field Notes						
Sample ID	Soil	Water	Ratio	AgNO3	Cl Result	Depth
B1	11.3	30.2	2.67	0.14	374	1'
B2	11	30.3	2.75	0.13	358	1'
B3	11.1	30.2	2.72	0.12	326	1'
B4	11.2	30	2.68	0.15	402	1'
B5	11	30.3	2.75	0.17	468	1'
B6	11.01	30.3	2.75	0.10	275	1'
B7	11.1	30.2	2.72	0.17	462	1'
B8	11	30	2.73	0.09	245	1'
B9	11.1	30.2	2.72	0.08	218	1'
B10	11.3	30	2.65	0.05	133	1'
B11	11	30	2.73	0.15	409	1'

B12	11	30.2	2.75	0.83	2278	1'
B13	11.7	30.2	2.58	0.89	2297	1'
B15	11.1	30.1	2.71	0.25	678	1'
B16	11.2	30	2.68	1.30	3481	1'
B16	11.3	30.2	2.67	0.07	187	2'
B12	11	30	2.73	0.07	191	2'
B13	11.3	30	2.65	0.07	186	2'
B14-1	11.2	30.2	2.70	1.47	3963	Composite
B14-2	11.2	30.2	2.70	0.03	81	Composite
B14-3	11.1	30.2	2.72	0.10	272	Composite
B14-4	11.1	30.3	2.73	0.06	164	Composite
B14-5	11.2	30.3	2.71	0.10	270	Composite
B14	11.2	30.2	2.70	0.05	135	2'3"
B16	11.3	31.2	2.76	0.14	386	Surface
Scratch Samples Used for Delineation						
Sample ID	Soil	Water	Ratio	AgNO3	CI Result	Depth
sp1 Pastor	11.3	30.2	2.67	0.14	374	1
Sp2	11	30.3	2.75	0.13	358	1
Sp3	11.1	30.2	2.72	0.12	326	1
Sp4	11.2	30	2.68	0.15	402	1
Sp5	11	30.3	2.75	0.17	468	1
SC6	12.2	29.24	2.40	0.48	1150	w
SC7	11.97	30.76	2.57	0.67	1721	w
SC8	11.01	30.57	2.78	0.47	1305	w
SC9	12.55	29.12	2.32	0.20		w
SC10	11.58	28.42	2.45	0.35	859	w
SC11	12.63	28.89	2.29	0.14	320	w
SC12	12.56	31.18	2.48	0.08	199	w
SC13	12	30.95	2.58	0.10	258	w
SC14	11.81	30.26	2.56	0.14	359	w
SC15	11.21	31.44	2.80	0.12	336	w



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

July 10, 2023

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: FORNI NO. 004

Enclosed are the results of analyses for samples received by the laboratory on 07/05/23 16:45.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive 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:	07/05/2023	Sampling Date:	07/05/2023
Reported:	07/10/2023	Sampling Type:	Soil
Project Name:	FORNI NO. 004	Sampling Condition:	Cool & Intact
Project Number:	MOC - 466	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY COUNTY		

Sample ID: B 6 @ 1' (H233430-01)

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	07/06/2023	ND	2.00	100	2.00	2.61		
Toluene*	<0.050	0.050	07/06/2023	ND	1.92	95.9	2.00	1.00		
Ethylbenzene*	<0.050	0.050	07/06/2023	ND	2.08	104	2.00	1.06		
Total Xylenes*	<0.150	0.150	07/06/2023	ND	6.30	105	6.00	1.58		
Total BTEX	<0.300	0.300	07/06/2023	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	160	16.0	07/06/2023	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	07/06/2023	ND	235	118	200	10.7		
DRO >C10-C28*	<10.0	10.0	07/06/2023	ND	214	107	200	13.5		
EXT DRO >C28-C36	<10.0	10.0	07/06/2023	ND						

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/05/2023	Sampling Date:	07/05/2023
Reported:	07/10/2023	Sampling Type:	Soil
Project Name:	FORNI NO. 004	Sampling Condition:	Cool & Intact
Project Number:	MOC - 466	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY COUNTY		

Sample ID: W1 BGS 0-1' (H233430-02)

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	07/06/2023	ND	2.00	100	2.00	2.61	
Toluene*	<0.050	0.050	07/06/2023	ND	1.92	95.9	2.00	1.00	
Ethylbenzene*	<0.050	0.050	07/06/2023	ND	2.08	104	2.00	1.06	
Total Xylenes*	<0.150	0.150	07/06/2023	ND	6.30	105	6.00	1.58	
Total BTEX	<0.300	0.300	07/06/2023	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	288	16.0	07/06/2023	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	07/06/2023	ND	235	118	200	10.7	
DRO >C10-C28*	<10.0	10.0	07/06/2023	ND	214	107	200	13.5	
EXT DRO >C28-C36	<10.0	10.0	07/06/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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*=Accredited Analyte

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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

Form with sections: Company Name, Project Manager, Address, City, Phone #, Project #, Project Name, Project Location, Sampler Name, BILL TO, ANALYSIS REQUEST, Lab I.D., Sample I.D., MATRIX, PRESERV., SAMPLING.

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 the client for the analyses.

Form with sections: Relinquished By, Received By, Verbal Result, All Results are emailed, REMARKS, Turnaround Time, Bacteria (only) Sample Condition, Thermometer ID.

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



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

July 11, 2023

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: FORNI NO. 004

Enclosed are the results of analyses for samples received by the laboratory on 07/06/23 16:37.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Received:	07/06/2023	Sampling Date:	07/06/2023
Reported:	07/11/2023	Sampling Type:	Soil
Project Name:	FORNI NO. 004	Sampling Condition:	Cool & Intact
Project Number:	MOC - 466	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY COUNTY		

Sample ID: B 7 @ 1' (H233454-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2023	ND	1.89	94.3	2.00	1.06	
Toluene*	<0.050	0.050	07/07/2023	ND	1.96	98.2	2.00	1.94	
Ethylbenzene*	<0.050	0.050	07/07/2023	ND	1.99	99.6	2.00	3.20	
Total Xylenes*	<0.150	0.150	07/07/2023	ND	5.85	97.5	6.00	3.44	
Total BTEX	<0.300	0.300	07/07/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	07/07/2023	ND	448	112	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	07/07/2023	ND	185	92.4	200	16.1	
DRO >C10-C28*	20.7	10.0	07/07/2023	ND	194	97.2	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	07/07/2023	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/06/2023	Sampling Date:	07/06/2023
Reported:	07/11/2023	Sampling Type:	Soil
Project Name:	FORNI NO. 004	Sampling Condition:	Cool & Intact
Project Number:	MOC - 466	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY COUNTY		

Sample ID: B 8 @ 1' (H233454-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2023	ND	1.89	94.3	2.00	1.06	
Toluene*	<0.050	0.050	07/07/2023	ND	1.96	98.2	2.00	1.94	
Ethylbenzene*	<0.050	0.050	07/07/2023	ND	1.99	99.6	2.00	3.20	
Total Xylenes*	<0.150	0.150	07/07/2023	ND	5.85	97.5	6.00	3.44	
Total BTEX	<0.300	0.300	07/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	64.0	16.0	07/07/2023	ND	448	112	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	07/07/2023	ND	185	92.4	200	16.1	
DRO >C10-C28*	<10.0	10.0	07/07/2023	ND	194	97.2	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	07/07/2023	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/06/2023	Sampling Date:	07/06/2023
Reported:	07/11/2023	Sampling Type:	Soil
Project Name:	FORNI NO. 004	Sampling Condition:	Cool & Intact
Project Number:	MOC - 466	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY COUNTY		

Sample ID: B 9 @ 1' (H233454-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2023	ND	1.89	94.3	2.00	1.06	
Toluene*	<0.050	0.050	07/07/2023	ND	1.96	98.2	2.00	1.94	
Ethylbenzene*	<0.050	0.050	07/07/2023	ND	1.99	99.6	2.00	3.20	
Total Xylenes*	<0.150	0.150	07/07/2023	ND	5.85	97.5	6.00	3.44	
Total BTEX	<0.300	0.300	07/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	208	16.0	07/07/2023	ND	448	112	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	07/07/2023	ND	185	92.4	200	16.1	
DRO >C10-C28*	<10.0	10.0	07/07/2023	ND	194	97.2	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	07/07/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/06/2023	Sampling Date:	07/06/2023
Reported:	07/11/2023	Sampling Type:	Soil
Project Name:	FORNI NO. 004	Sampling Condition:	Cool & Intact
Project Number:	MOC - 466	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY COUNTY		

Sample ID: B 10 @ 1' (H233454-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2023	ND	1.89	94.3	2.00	1.06	
Toluene*	<0.050	0.050	07/07/2023	ND	1.96	98.2	2.00	1.94	
Ethylbenzene*	<0.050	0.050	07/07/2023	ND	1.99	99.6	2.00	3.20	
Total Xylenes*	<0.150	0.150	07/07/2023	ND	5.85	97.5	6.00	3.44	
Total BTEX	<0.300	0.300	07/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	128	16.0	07/07/2023	ND	448	112	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	07/07/2023	ND	185	92.4	200	16.1	
DRO >C10-C28*	<10.0	10.0	07/07/2023	ND	194	97.2	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	07/07/2023	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/06/2023	Sampling Date:	07/06/2023
Reported:	07/11/2023	Sampling Type:	Soil
Project Name:	FORNI NO. 004	Sampling Condition:	Cool & Intact
Project Number:	MOC - 466	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY COUNTY		

Sample ID: B 11 @ 1' (H233454-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2023	ND	1.89	94.3	2.00	1.06	
Toluene*	<0.050	0.050	07/07/2023	ND	1.96	98.2	2.00	1.94	
Ethylbenzene*	<0.050	0.050	07/07/2023	ND	1.99	99.6	2.00	3.20	
Total Xylenes*	<0.150	0.150	07/07/2023	ND	5.85	97.5	6.00	3.44	
Total BTEX	<0.300	0.300	07/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	304	16.0	07/07/2023	ND	448	112	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	07/07/2023	ND	185	92.4	200	16.1	
DRO >C10-C28*	<10.0	10.0	07/07/2023	ND	194	97.2	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	07/07/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/06/2023	Sampling Date:	07/06/2023
Reported:	07/11/2023	Sampling Type:	Soil
Project Name:	FORNI NO. 004	Sampling Condition:	Cool & Intact
Project Number:	MOC - 466	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY COUNTY		

Sample ID: W2 BGS 0-1' (H233454-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2023	ND	1.89	94.3	2.00	1.06	
Toluene*	<0.050	0.050	07/07/2023	ND	1.96	98.2	2.00	1.94	
Ethylbenzene*	<0.050	0.050	07/07/2023	ND	1.99	99.6	2.00	3.20	
Total Xylenes*	<0.150	0.150	07/07/2023	ND	5.85	97.5	6.00	3.44	
Total BTEX	<0.300	0.300	07/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/07/2023	ND	448	112	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	07/07/2023	ND	185	92.4	200	16.1	
DRO >C10-C28*	<10.0	10.0	07/07/2023	ND	194	97.2	200	16.8	
EXT DRO >C28-C36	<10.0	10.0	07/07/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <i>Diamond Back Disposal</i>		BILL TO		ANALYSIS REQUEST																							
Project Manager: <i>Justin Roberts</i>		P.O. #:																									
Address: <i>2525 Ww County Rd</i>		Company: <i>Newbourne</i>																									
City: <i>Hobbs</i> State: <i>NM</i> Zip: <i>88240</i>		Attn: <i>Conner Walker</i>																									
Phone #: Fax #:		Address:																									
Project #: Project Owner:		City:																									
Project Name:		State: Zip:																									
Project Location: <i>Form #4</i>		Phone #:																									
Sampler Name: <i>Jose Queralta</i>		Fax #:																									
FOR LAB USE ONLY																											
Lab I.D.	Sample I.D.	(GRAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING																	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME													
<i>H233454</i>											<input checked="" type="checkbox"/>																
<i>1</i>	<i>B7@1'</i>	<i>C</i>	<i>1</i>										<i>7/6</i>	<i>11:42</i>	<i>1</i>	<i>1</i>	<i>1</i>										
<i>2</i>	<i>B8@1'</i>	<i>C</i>	<i>1</i>											<i>11:44</i>	<i>1</i>	<i>1</i>	<i>1</i>										
<i>3</i>	<i>B9@1'</i>	<i>C</i>	<i>1</i>											<i>11:44</i>	<i>1</i>	<i>1</i>	<i>1</i>										
<i>4</i>	<i>B10@1'</i>	<i>C</i>	<i>1</i>											<i>3:14</i>	<i>1</i>	<i>1</i>	<i>1</i>										
<i>5</i>	<i>B11@1'</i>	<i>C</i>	<i>1</i>											<i>3:16</i>	<i>1</i>	<i>1</i>	<i>1</i>										
<i>6</i>	<i>W2 B650-1'</i>	<i>C</i>	<i>1</i>											<i>3:18</i>	<i>1</i>	<i>1</i>	<i>1</i>										

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Relinquished By: <i>Jose Queralta</i>	Date: <i>7/6/23</i>	Received By: <i>Tamara Reddy</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Time: <i>4:37pm</i>			All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	<i>Sason O. Yesinia, Jeff B. Conner W.</i>
Time:			REMARKS:
			<i>E-Mo: Results</i>
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C <i>3.1</i>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <i>T.O.</i>
	Corrected Temp. °C <i>0.5</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush
			Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No
			Thermometer ID #113 Correction Factor -0.6°C
			<input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C

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



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

July 14, 2023

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: FORNI NO. 004

Enclosed are the results of analyses for samples received by the laboratory on 07/11/23 8:21.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive 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:	07/11/2023	Sampling Date:	07/10/2023
Reported:	07/14/2023	Sampling Type:	Soil
Project Name:	FORNI NO. 004	Sampling Condition:	Cool & Intact
Project Number:	MOC - 466	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY COUNTY		

Sample ID: B 12 @ 1' (H233504-01)

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	07/12/2023	ND	1.93	96.7	2.00	9.15	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	8.92	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.03	102	2.00	8.86	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.12	102	6.00	8.76	
Total BTEX	<0.300	0.300	07/12/2023	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	07/12/2023	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	07/12/2023	ND	176	87.9	200	0.981	
DRO >C10-C28*	<10.0	10.0	07/12/2023	ND	180	90.1	200	0.460	
EXT DRO >C28-C36	<10.0	10.0	07/12/2023	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/11/2023	Sampling Date:	07/10/2023
Reported:	07/14/2023	Sampling Type:	Soil
Project Name:	FORNI NO. 004	Sampling Condition:	Cool & Intact
Project Number:	MOC - 466	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY COUNTY		

Sample ID: B 13 @ 2' (H233504-02)

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	07/12/2023	ND	1.93	96.7	2.00	9.15	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	8.92	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.03	102	2.00	8.86	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.12	102	6.00	8.76	
Total BTEX	<0.300	0.300	07/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	80.0	16.0	07/12/2023	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	07/12/2023	ND	176	87.9	200	0.981	
DRO >C10-C28*	<10.0	10.0	07/12/2023	ND	180	90.1	200	0.460	
EXT DRO >C28-C36	<10.0	10.0	07/12/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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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:	07/11/2023	Sampling Date:	07/10/2023
Reported:	07/14/2023	Sampling Type:	Soil
Project Name:	FORNI NO. 004	Sampling Condition:	Cool & Intact
Project Number:	MOC - 466	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY COUNTY		

Sample ID: B 15 @ 1' (H233504-03)

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	07/12/2023	ND	1.93	96.7	2.00	9.15	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	8.92	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.03	102	2.00	8.86	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.12	102	6.00	8.76	
Total BTEX	<0.300	0.300	07/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	192	16.0	07/12/2023	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	07/12/2023	ND	176	87.9	200	0.981	
DRO >C10-C28*	<10.0	10.0	07/12/2023	ND	180	90.1	200	0.460	
EXT DRO >C28-C36	<10.0	10.0	07/12/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/11/2023	Sampling Date:	07/10/2023
Reported:	07/14/2023	Sampling Type:	Soil
Project Name:	FORNI NO. 004	Sampling Condition:	Cool & Intact
Project Number:	MOC - 466	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY COUNTY		

Sample ID: B 14 @ 2'5" (H233504-04)

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	07/12/2023	ND	1.93	96.7	2.00	9.15	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	8.92	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.03	102	2.00	8.86	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.12	102	6.00	8.76	
Total BTEX	<0.300	0.300	07/12/2023	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	80.0	16.0	07/12/2023	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	07/12/2023	ND	176	87.9	200	0.981	
DRO >C10-C28*	<10.0	10.0	07/12/2023	ND	180	90.1	200	0.460	
EXT DRO >C28-C36	<10.0	10.0	07/12/2023	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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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:	07/11/2023	Sampling Date:	07/10/2023
Reported:	07/14/2023	Sampling Type:	Soil
Project Name:	FORNI NO. 004	Sampling Condition:	Cool & Intact
Project Number:	MOC - 466	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY COUNTY		

Sample ID: W 4 BGS 0-2' (H233504-05)

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	07/12/2023	ND	1.93	96.7	2.00	9.15	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	8.92	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.03	102	2.00	8.86	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.12	102	6.00	8.76	
Total BTEX	<0.300	0.300	07/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	512	16.0	07/12/2023	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	07/12/2023	ND	176	87.9	200	0.981	
DRO >C10-C28*	<10.0	10.0	07/12/2023	ND	180	90.1	200	0.460	
EXT DRO >C28-C36	<10.0	10.0	07/12/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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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:	07/11/2023	Sampling Date:	07/10/2023
Reported:	07/14/2023	Sampling Type:	Soil
Project Name:	FORNI NO. 004	Sampling Condition:	Cool & Intact
Project Number:	MOC - 466	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY COUNTY		

Sample ID: W 3 BGS 0-2' (H233504-06)

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	07/12/2023	ND	1.93	96.7	2.00	9.15	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	8.92	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.03	102	2.00	8.86	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.12	102	6.00	8.76	
Total BTEX	<0.300	0.300	07/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	160	16.0	07/12/2023	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	07/12/2023	ND	176	87.9	200	0.981	
DRO >C10-C28*	<10.0	10.0	07/12/2023	ND	180	90.1	200	0.460	
EXT DRO >C28-C36	<10.0	10.0	07/12/2023	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

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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:	07/11/2023	Sampling Date:	07/10/2023
Reported:	07/14/2023	Sampling Type:	Soil
Project Name:	FORNI NO. 004	Sampling Condition:	Cool & Intact
Project Number:	MOC - 466	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY COUNTY		

Sample ID: W 5 BGS 0-2' (H233504-07)

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	07/12/2023	ND	1.93	96.7	2.00	9.15	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	8.92	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.03	102	2.00	8.86	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.12	102	6.00	8.76	
Total BTEX	<0.300	0.300	07/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	320	16.0	07/12/2023	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	07/12/2023	ND	176	87.9	200	0.981	
DRO >C10-C28*	<10.0	10.0	07/12/2023	ND	180	90.1	200	0.460	
EXT DRO >C28-C36	<10.0	10.0	07/12/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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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:	07/11/2023	Sampling Date:	07/10/2023
Reported:	07/14/2023	Sampling Type:	Soil
Project Name:	FORNI NO. 004	Sampling Condition:	Cool & Intact
Project Number:	MOC - 466	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY COUNTY		

Sample ID: B 16 SURFACE (H233504-08)

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	07/12/2023	ND	1.93	96.7	2.00	9.15		
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	8.92		
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.03	102	2.00	8.86		
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.12	102	6.00	8.76		
Total BTEX	<0.300	0.300	07/12/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	640	16.0	07/12/2023	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	07/12/2023	ND	176	87.9	200	0.981		
DRO >C10-C28*	<10.0	10.0	07/12/2023	ND	180	90.1	200	0.460		
EXT DRO >C28-C36	<10.0	10.0	07/12/2023	ND						

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 148 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	07/11/2023	Sampling Date:	07/10/2023
Reported:	07/14/2023	Sampling Type:	Soil
Project Name:	FORNI NO. 004	Sampling Condition:	Cool & Intact
Project Number:	MOC - 466	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY COUNTY		

Sample ID: B 17 @ 1'5" (H233504-09)

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	07/12/2023	ND	1.93	96.7	2.00	9.15	
Toluene*	<0.050	0.050	07/12/2023	ND	1.87	93.6	2.00	8.92	
Ethylbenzene*	<0.050	0.050	07/12/2023	ND	2.03	102	2.00	8.86	
Total Xylenes*	<0.150	0.150	07/12/2023	ND	6.12	102	6.00	8.76	
Total BTEX	<0.300	0.300	07/12/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	07/12/2023	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	07/12/2023	ND	202	101	200	6.68	
DRO >C10-C28*	<10.0	10.0	07/12/2023	ND	193	96.7	200	8.00	
EXT DRO >C28-C36	<10.0	10.0	07/12/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 49.1-148

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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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: Diamond Back Disp
Project Manager: Susana Roberts
Address: 2525 NW County Rd
City: Hobbs State: NM Zip: 88240
Phone #: (575) 392-8994 Fax #:
Project #: N00C-466 Project Owner:
Project Name: Form # 4
Project Location: Eddy County
Sampler Name: Jose Quintero

BILL TO ANALYSIS REQUEST
P.O. #:
Company: Newbourne
Attn: Connor Walker
Address:
City:
State: Zip:
Phone #:
Fax #:

Table with columns: Lab I.D., Sample I.D., MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE/COOL, OTHER), SAMPLING (DATE, TIME), and analysis request columns (C1, BTEV, etc.).

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Relinquished By: Jose Quintero Date: 7/10/23 Received By: S. Rodriguez
Verbal Result: [] Yes [] No Add'l Phone #:
All Results are emailed. Please provide Email address: Jason O. Yesinger, Connor, Self
REMARKS: E-Mail Results
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C: -0.7°C
Sample Condition: Cool Intact [] Yes [] No
CHECKED BY: (Initials) SRK
Turnaround Time: Standard [] Rush []
Bacteria (only) Sample Condition: Cool Intact Observed Temp. °C [] Yes [] No [] No [] No Corrected Temp. °C

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



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

July 21, 2023

JUSTIN ROBERTS

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: FORNI NO. 004

Enclosed are the results of analyses for samples received by the laboratory on 07/17/23 16:05.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "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:	07/17/2023	Sampling Date:	07/17/2023
Reported:	07/21/2023	Sampling Type:	Soil
Project Name:	FORNI NO. 004	Sampling Condition:	Cool & Intact
Project Number:	MOC - 466	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY COUNTY		

Sample ID: B 16 @ 6" (H233694-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2023	ND	1.86	92.8	2.00	3.10	
Toluene*	<0.050	0.050	07/20/2023	ND	1.94	97.0	2.00	5.46	
Ethylbenzene*	<0.050	0.050	07/20/2023	ND	1.93	96.6	2.00	7.71	
Total Xylenes*	<0.150	0.150	07/20/2023	ND	5.76	96.0	6.00	9.85	
Total BTEX	<0.300	0.300	07/20/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	07/18/2023	ND	448	112	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	07/19/2023	ND	175	87.6	200	17.6	
DRO >C10-C28*	<10.0	10.0	07/19/2023	ND	172	85.8	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	07/19/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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.
BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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*=Accredited Analyte

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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 #: MOC-466
Project Name: Forni no 004
Project Location: NM
Sampler Name: Jason Owsley

BILL TO

ANALYSIS REQUEST

Table with columns: Lab I.D., Sample I.D., MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE/COOL, OTHER), SAMPLING (DATE, TIME), CL, EXT, TPH, BTEX. Includes handwritten entry H233694 and B16 @ 6".

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Released By: [Signature] Date: 7-17-23 Time: 1605
Received By: [Signature]
Verbal Receipt: [] Yes [] No Add'l Phone #:
REMARKS:
Turnaround Time: Standard [] Bacteria (only) Sample Condition
Rush [] Cool Intact Observed Temp. °C
Thermometer ID #140 Correction Factor -0.6°C -70.7/17/23

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

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

CONDITIONS

Action 260699

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 260699
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2318438389 FORNI #4, thank you. This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation including pictures of the contoured backfilled excavation surface and a thorough discussion on reseeding mixture, vegetation ratio, timelines, etc., will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	1/24/2024