CARMONA RESOURCES

SITE INFORMATION

Closure Report
Libby Gas Plant (07.29.2022)
Incident ID: NAPP2221356449
Lea County, New Mexico
Unit I Sec 26 T20S R36E
32.542360°, -103.525730°

Point of Release: Natural gas leak, resulting in a fire
Release Date: 07.29.2022
Volume Released: No contaminants reportedly released onto the ground
Volume Recovered: No contaminants reportedly released onto the ground

CARMONA RESOURCES

Prepared for:
Delek Logistics Company
305 N. Washington
El Dorado, Arkansas 71730

Prepared by:
Carmona Resources, LLC
310 West Wall Street
Suite 500
Midland, Texas 79701

CARMONA RESOURCES

TABLE OF CONTENTS

FIGURES

APPENDICES

310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992

CARMONA RESOURCES

July 29, 2025

New Mexico Oil Conservation Division
1220 South St, Francis Drive
Santa Fe, New Mexico 87505

Re: Closure Report
Libby Gas Plant (07.29.2022)
Delek Logistics Companies
Site Location: Unit I, S26, T20S, R36E
(Lat 32.542360º, Long -103.525730º)
Lea County, New Mexico

To whom it may concern:

On behalf of Delek Logistics Companies (Delek, formerly 3Bear Energy, LLC), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Libby Gas Plant. The site is located at 32.542360º, -103.525730º within Unit I, S26, T20S, R36E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notice of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on July 29, 2022, caused by natural gas being vented, resulting in a fire at compressor #6170. It was reported that no contaminants were released onto the ground. The Notification of Release form and Initial C-141 are attached in Appendix C.

2.0 Site Characterization and Groundwater

The site is located within a low karst area. Based on a review of the New Mexico Office of State Engineers and USGS databases, no known water sources are within a 0.50-mile radius of the location. The nearest water well is approximately 1.00 mile South of the site in S35, T20S, R34E and was drilled in 2014. The well has a reported depth to groundwater of 733 feet below the ground surface (ft bgs). A copy of the associated well log is attached in Appendix D.

3.0 NMAC Regulatory Criteria

Per the NMOCD regulatory criteria established in 19.15.29.12 NMAC, the following criteria were utilized in assessing the site.

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 100 mg/kg (GRO + DRO + MRO).
- Chloride: 600 mg/kg.

4.0 Site Assessment Activities

On May 28, 2025, Carmona Resources performed site assessment activities to verify that no fluid was lost during the incident and that the ground remained unaffected. Before collecting horizontal samples, the NMOCD division office was notified via NMOCD portal on May 22, 2025, per Subsection D of 19.15.29.12 NMAC. See Appendix C. To assess the horizontal extent, four (4) horizontal sample points (H-1 through H-4) were advanced to depths ranging from the surface to 0.5’ bgs surrounding the compressor which caught fire. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015, modified benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA method 8021B, and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. See Figure 3 for the sample locations.

310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992

CARMONA RESOURCES

All horizontal samples were below the reclamation and regulatory requirements for TPH, BTEX, and chloride. Refer to Table 1.

5.0 Conclusion and Variances

Based on the assessment results and the analytical data, no further actions are required at the site. Delek formally requests the closure of the spill. Delek requests a variance to 19.15.29.12.D.1 NMAC for the use of the collection of grab samples instead of five-point composite samples. The entire area will be reclaimed and revegetated during normal P/A activities per NMAC 19.15.29.13. If you have any questions regarding this report or need additional information, please contact us at 432-813-8988.

Sincerely,

Carmona Resources, LLC

Ashton Thielke
Environmental Manager

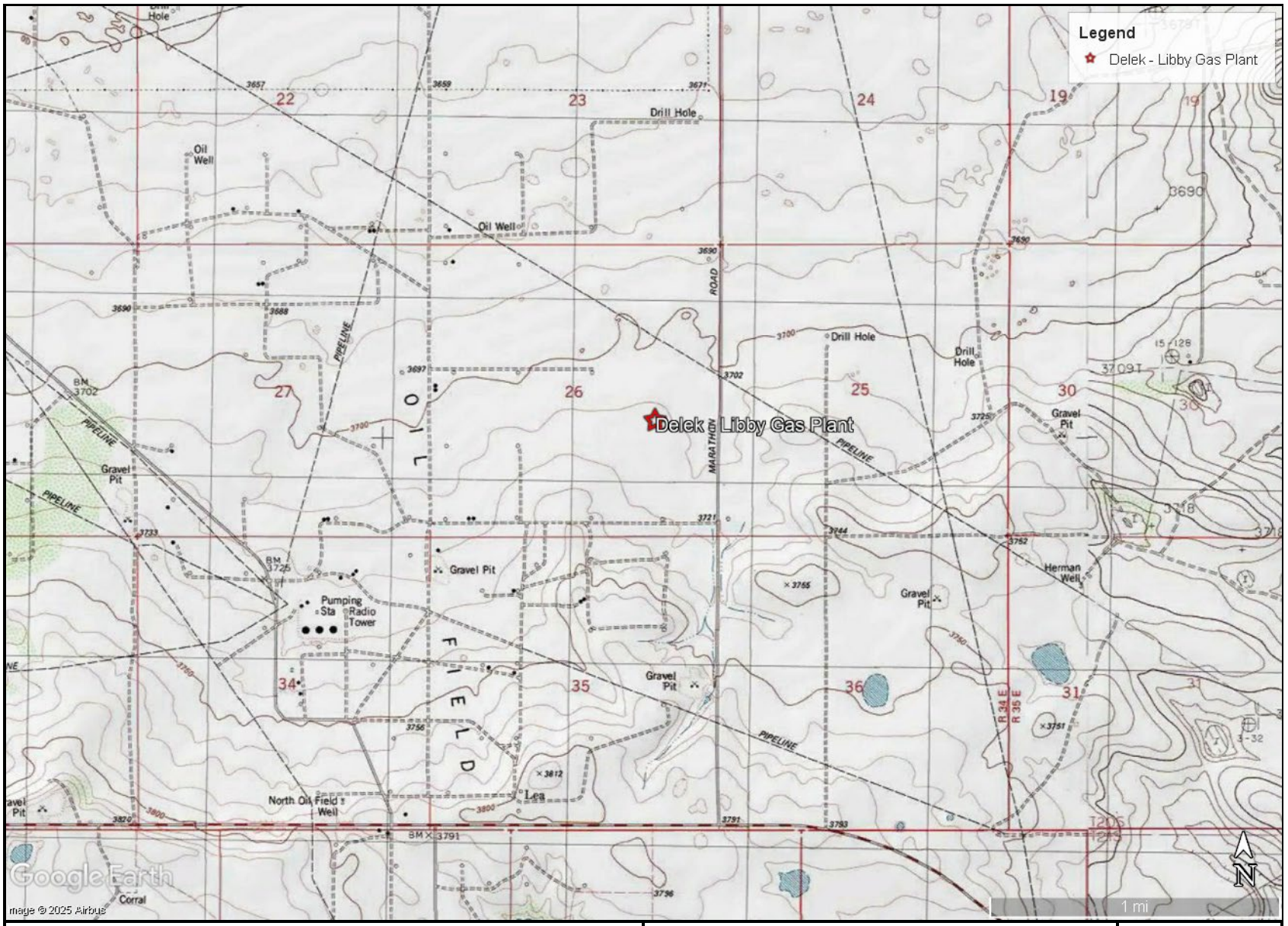
Gilbert Priego Jr.
Project Manager

310 West Wall Street, Suite 500
Midland TX, 79701
432.813.1992

FIGURES

CARMONA RESOURCES

OVERVIEW MAP DELEK LOGISTICS COMPANY LIBBY GAS PLANT (07.29.2022) LEA COUNTY, NEW MEXICO 32.542360°, -103.525730°	CARMONA RESOURCES	FIGURE 1



TOPOGRAPHIC MAP DELEK LOGISTICS COMPANY LIBBY GAS PLANT (07.29.2022) LEA COUNTY, NEW MEXICO 32.542360°, -103.525730°	CARMONA RESOURCES	FIGURE 2

SAMPLE LOCATION MAP DELEK LOGISTICS COMPANY LIBBY GAS PLANT (07.29.2022) LEA COUNTY, NEW MEXICO 32.542360°, -103.525730°	CARMONA RESOURCES	FIGURE 3

APPENDIX A

CARMONA RESOURCES

Table 1
Delek
Libby Gas Plant (07.29.2022)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
H-1	5/28/2025	0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	0.00202	<0.00200	<0.00401	<0.00401	105
H-2	5/28/2025	0.5'	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	77.2
H-3	5/28/2025	0.5'	<50.1	<50.1	<50.1	<50.1	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	82.4
H-4	5/28/2025	0.5'	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	109
Regulatory Criteria [A]						**100 mg/kg**	**10 mg/kg**				**50 mg/kg**	**600 mg/kg**

(-) Not Analyzed
[A] – Table 1 - 19.15.29 NMAC
mg/kg - milligram per kilogram
TPH - Total Petroleum Hydrocarbons
ft - feet
(H) Horizontal Sample

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

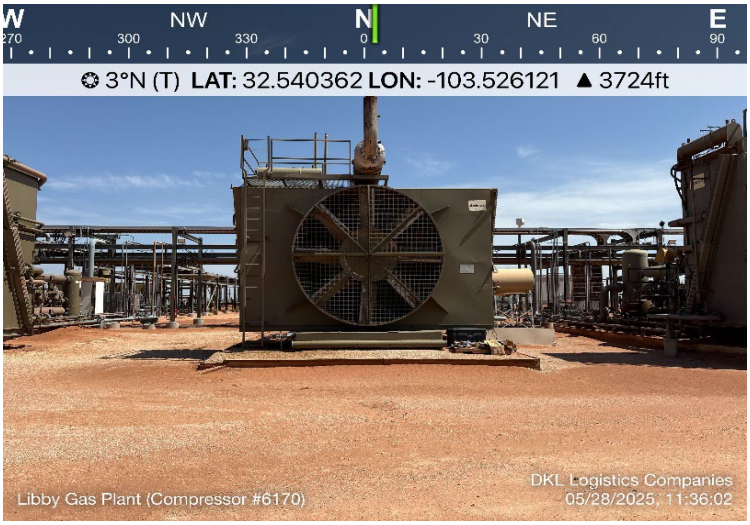
Delek Logistics Companies

Photograph No. 1

Facility: Libby Gas Plant (07.29.2022)

County: Lea County, New Mexico

Description:
View North, area of H-1 at Compressor #6170.

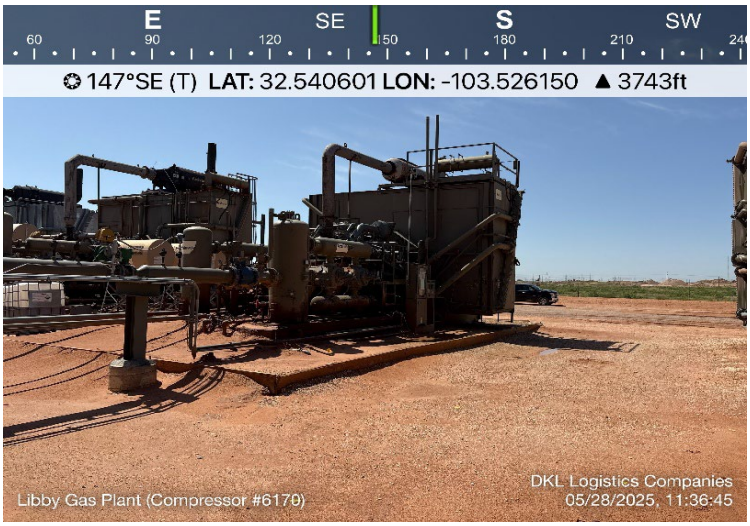


Photograph No. 2

Facility: Libby Gas Plant (07.29.2022)

County: Lea County, New Mexico

Description:
View Southeast, area of H-2 at Compressor #6170.

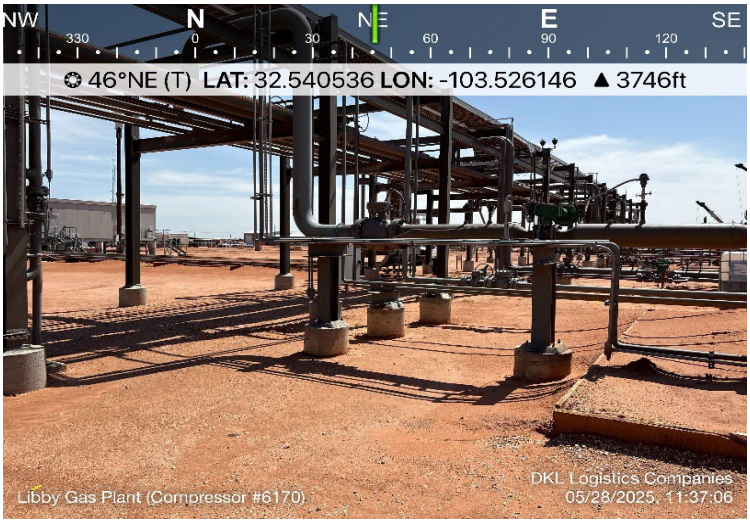


Photograph No. 3

Facility: Libby Gas Plant (07.29.2022)

County: Lea County, New Mexico

Description:
View Northeast, area of H-3 at Compressor #6170.



CARMONA RESOURCES

PHOTOGRAPHIC LOG

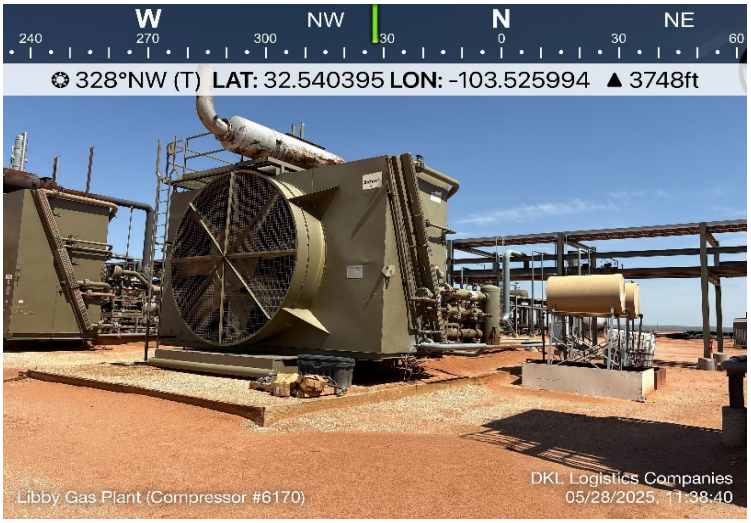
Delek Logistics Companies

Photograph No. 4

Facility: Libby Gas Plant (07.29.2022)

County: Lea County, New Mexico

Description:
View Northwest, area of H-4 at Compressor #6170.



CARMONA RESOURCES

APPENDIX C

CARMONA RESOURCES

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

Operator: 3BEAR FIELD SERVICES, LLC 1200 17th Street, Suite 750 Denver, CO 80202	OGRID: 372603
	Action Number: 130375
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source *Please answer all of the questions in this group.*	
Site Name	Libby Gas Plant
Date Release Discovered	07/29/2022
Surface Owner	Private

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

Nature and Volume of Release *Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	*Not answered.*
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure | Other (Specify) | Natural Gas Vented | Released: 0 Mcf (Unknown Released Amount) | Recovered: 0 Mcf | Lost: 0 Mcf]
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)	Suspected tube leak at residue gas compressor #6170, gas consumed in the fire.

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Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: 3BEAR FIELD SERVICES, LLC 1200 17th Street, Suite 750 Denver, CO 80202	OGRID: 372603
	Action Number: 130375
	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)	**Yes, according to supplied volumes this appears to be a "gas only" report.**
Was this a major release as defined by 19.15.29.7(A) NMAC	**Yes, major release.**
Reasons why this would be considered a submission for a notification of a major release	• Incident Type is reported as fire • This release resulted in a fire or was the result of a fire • Unauthorized release an unknown volume (TBD) of gases exceeding 500 Mcf
If YES, was immediate notice given to the OCD, by whom	Kevin Adams, Delek Logistics
If YES, was immediate notice given to the OCD, to whom	Rosa Romero, NMOCD
If YES, was immediate notice given to the OCD, when	07/29/2022
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	Phone
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per 19.15.29.8 B. (4) 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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Operator: 3BEAR FIELD SERVICES, LLC 1200 17th Street, Suite 750 Denver, CO 80202	OGRID: 372603
	Action Number: 130375
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
☑	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.
☑	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.
☑	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.
☑	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.
☑	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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Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator:	OGRID:
3BEAR FIELD SERVICES, LLC 1200 17th Street, Suite 750 Denver, CO 80202	372603
	Action Number: 130375
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
eaklein	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	8/1/2022

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	nAPP2221356449
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: 3 Bear Delaware Operating – NM, LLC	OGRID: 372603
Contact Name: Kevin Adams	Contact Telephone: (409) 553-1480
Contact email: kevin.adams@delekus.com	Incident # *(assigned by OCD)*
Contact mailing address: 12700 Park Central Drive, Suite 700 Dallas, TX 75271	

Location of Release Source

Latitude 32.54236 Longitude -103.52573
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Libby Gas Plant	Site Type: Cryogenic gas separation facility
Date Release Discovered: 7/29/2022 3:00 AM, fire out 03:20 AM	API# *(if applicable)*:

Unit Letter	Section	Township	Range	County
I	26	20S	36E	Lea

JH 08/01/2022

Surface Owner: ☐ State ☐ Federal ☐ Tribal X Private (*Name: 3Bear*)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☒ Natural Gas	Volume Released (Mcf) 0 – Fire at equipment	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Suspected tube leak at residue gas compressor #6170, gas consumed in the fire.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2221356449
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? X Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? It was a fire, which, by regulatory definition, is a major release.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Phone Call: Rosa Romero at 575-363-0353 at 7/29/2022 5:22 PM MDT Follow-Up email 8/1/2022 6:28 AM	

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.

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

☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

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

If all the actions described above have not been undertaken, explain why:

There were no liquid hydrocarbons released to the environmental, and the gas was consumed in the fire.

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: Kevin M. Adams Title: Senior Manager, Environmental

Signature: Kevin M. Adams Date: 8/1/2022

email: kevin.adams@delekus.com Telephone: (409) 553-1480

OCD Only

Received by: Jocelyn Harimon Date: 08/01/2022

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

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

CONDITIONS

Operator: 3BEAR FIELD SERVICES, LLC 1200 17th Street, Suite 750 Denver, CO 80202	OGRID: 372603
	Action Number: 130400
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	8/1/2022

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 466428

QUESTIONS

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 466428
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2221356449**
Incident Name	**NAPP2221356449 LIBBY GAS PLANT @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Closure Report Received**
Incident Facility	**[fSCW2306637963] LIBBY GAS PLANT**

Location of Release Source	
Site Name	**LIBBY GAS PLANT**
Date Release Discovered	**07/29/2022**
Surface Owner	**Private**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	500
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	05/28/2025
Time sampling will commence	01:00 PM
Please provide any information necessary for observers to contact samplers	Carmona Resources - 432-813-8988
Please provide any information necessary for navigation to sampling site	(32.540437°,-103.526125°) Carmona Resources will be onsite to conduct a site assessment of this historical release to determine if remediation is required. Each vertical delineation sample point will represent an area no more than 1,000sqft. If our assessment results do not exceed remediation requirements, we will write a closure report and request a variance inside the report per 19.15.29.12.D.1 – use of assessment (grab) samples as confirmation samples. If contamination is found around the compressor, we will remediate to NMAC 19.15.29.12 standards.

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

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 466428
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
cassiewhitefield	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.	5/22/2025

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

DKL Energy - Cottonwood, LLC

146.7' - Gauged 02.10.2025

55' GWDB - Drilled 2022

Delek - Libby Gas Plant

758' Drilled 2014

733' Drilled 2014

Legend

- 0.5 Mile Radius
- 1.0 Mile
- 1.0 Mile
- 1.14 Miles
- 1.33 Miles
- Delek - Libby Gas Plant
- Groundwater Determination Bore
- NMSEO Water Well
- Water Well

Google Earth

Image © 2025 Airbus

4000 ft

N

Low Karst

DKL Energy - Cottonwood, LLC

Legend

- Delek - Libby Gas Plant
- Low

County Rd 27-A

Delek - Libby Gas Plant

176

176

Google Earth

Image © 2025 Airbus

N

1 mi

New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters) (In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
CP 01204 POD1		CP	LE	SW	NW	NW	25	20S	34E	638755.1	3602250.6		790	370		
CP 01334 POD1		CP	LE	NW	NE	SE	35	20S	34E	638402.3	3599879.5		1660	1253	733	520
CP 01335 POD1		CP	LE	SE	NW	SE	35	20S	34E	638205.4	3599736.3		1814	1307	735	572
CP 01288 POD1		CP	LE	SE	SE	NE	34	20S	34E	637134.3	3600204.6		1845	1255	758	497
CP 01289 POD1		CP	LE	SE	SE	NE	34	20S	34E	637037.0	3600261.8		1874	1222	651	571
CP 00665		CP	LE		NW	SE	24	20S	34E	639740.0	3603128.0 *		2072	698	270	428
CP 01330 POD1		CP	LE	SE	NE	NW	34	20S	34E	636197.4	3600483.2		2451	1349	684	665
CP 01352 POD1		CP	LE	SW	NW	SE	34	20S	34E	636559.1	3599716.2		2597	1270	785	485
CP 00799 POD1		CP	LE	SE	SW	SE	34	20S	34E	636666.0	3599364.0 *		2787	100		
CP 01389 POD1		CP	LE	NW	NW	NW	34	20S	34E	635725.9	3600733.6		2801	1250	1005	245
CP 00800 POD1		CP	LE	NE	NE	NE	22	20S	34E	637007.0	3603994.0 *		2826	220		
CP 01290 POD1		CP	LE		SW	NW	02	21S	33E	637113.7	3598855.2		2980	1250	725	525
CP 00802 POD1		CP	LE	SW	SW	NE	02	21S	33E	637001.1	3598672.9		3193	1154		
CP 00579		CP	LE		NE	NE	02	21S	33E	637438.0	3598269.0 *		3411	125	100	25
CP 01317 POD1		CP	LE	NW	SW	NE	02	21S	33E	636884.3	3598450.4		3445	1250	1025	225
CP 00611		CP	LE		NE	NW	06	21S	34E	639838.0	3598306.0 *		3535	118	112	6
CP 00803 POD1		CP	LE	SW	NE	NE	02	21S	33E	637337.0	3598168.0 *		3537	1100		
CP 00804 POD1		CP	LE	SW	NE	NE	02	21S	33E	637337.0	3598168.0 *		3537	170		
CP 01981 POD1		CP	LE	NE	NE	SW	01	21S	33E	638346.3	3597890.1		3650	58		
CP 00655 POD1		CP	LE		SW	NW	14	20S	34E	637294.0	3605108.0 *		3738	210		
CP 01316 POD1		CP	LE	SW	NE	SE	02	21S	33E	637431.6	3597709.4		3953	1370		

Average Depth to Water: **631 feet**

Minimum Depth: **100 feet**

Maximum Depth: **1025 feet**

Record Count: 21

UTM Filters (in meters):

Easting: 638409.13

Northing: 3601539.64

Radius: 4000

*** UTM location was derived from PLSS - see Help**

eTECH Environmental & Safety Solutions, Inc.

Ground Water Sampling Log

Well ID: Cathodic

Date: 2/10/25

Site Description/Construction Detail

Project: Laguna 23 Fed Com 1H Personnel: Robbie Runnels

Well Description/Location: 32.55364, -103.53947 Total Depth[a] (ft bmp): _____

Type of Well: Monitor Recovery Potable Irrigation Other Cathodic

Casing Material: (PVC) Steel Other _____ Diameter: (2") 4" 6" Other ____ Screen (ft bmp): _____

Condition of Seal: (Good) Poor Needs Repair Other _____ Well Locked? Y (N)

Gauging Data

Static Water Level[b] (ft bmp) 149.2 Time 1339 Measure Point Description _____

Comments: _____

Well Purge Data

Volume Factors[c]					
Dia (in.)	2"	3"	4"	5"	6"
Gal/ft	0.163	0.367	0.653	1.020	1.469

Well Volume ((a-b) x c) = _____ gal

Purging Volume (3 x Well Vol) = _____ gal

Well Purging Method: submersible peristaltic bailer other_____ Depth pump set (ft bmp) _____

Water Quality Indicator Parameters

Time	Cumulative Gallons Purged	Water Level (ft bmp)	Temp (°C)	pH (SU)	Specific Cond. (mS/cm)	TDS (g/l)	DO (mg/l)	ORP (mV)

Recording Interval: Traditional volume purge - every ½ well volume; Low flow - every 3-5 min, drawdown should not exceed 0.33ft during purging.

Total Gallons Purged _____ Approximate Discharge Rate (gpm): _____

Sample Data

Sample Collection Method: submersible peristaltic bailer other_____ Sample Time _____

*Project name for sample labels (if abbr): _____ Duplicate Collected? Y N

Comments

_____

_____

_____

_____

Stability Criteria:
- pH: ±0.1
- SC: ±5%, for SC ≤ 100 µS/cm; ±3%, for SC > 100 µS/cm
- DO: ±10% or 0.3 mg/L (whichever is greater)
- Temp: ± 0.2°C (USGS for thermistor)

Sample tubing left in well? Y N
(circle yes or no)
If so, **length** (ft)? _____

*Volume factors and stability criteria from USGS-NFM, 2006-Wilde et al., 1998, Driscoll, 1986, and EPA-Puls and Barcelona, 1996. Last form revision: 02.06.14.


Permian Resources
Laguna 23 Water Well #2
02.10.2025 01:39 PM
32.55364, -103.53947
Unnamed Road, Hobbs, NM 88240
E

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 01334 POD1	NW	NE	SE	35	20S	34E	638402.3	3599879.5	🌎

*** UTM location was derived from PLSS - see Help**

Driller License:	421	**Driller Company:**	GLENN'S WATER WELL SERVICE		
Driller Name:	GLENN, CLARK A."CORKY"				
Drill Start Date:	2014-06-21	**Drill Finish Date:**	2014-07-01	**Plug Date:**	
Log File Date:	2016-08-09	**PCW Rcv Date:**		**Source:**	Artesian
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	30
Casing Size:	9.63	**Depth Well:**	1253	**Depth Water:**	733

Water Bearing Stratifications:

Top	Bottom	Description
1014	1135	Sandstone/Gravel/Conglomerate
1135	1235	Sandstone/Gravel/Conglomerate
1235	1258	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
936	1258

Meter Information

Meter Number:	17854	**Meter Make:**	SEAMETRICS
Meter Serial Number:	05 212 611	**Meter Multiplier:**	1.0000
Number of Dials:	8	**Meter Type:**	Diversion
Unit of Measure:	Barrels 42 gal.	**Reading Frequency:**	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2016-12-31	2016	119754.000	A	ap		0.000	
2017-01-31	2017	121057.000	A	ap		16.795	
2017-03-01	2017	128886.000	A	ap		100.911	
2017-04-01	2017	128886.000	A	ap		0.000	
2017-05-01	2017	128886.000	A	ap		0.000	
2017-06-01	2017	128886.000	A	ap		0.000	
2017-06-30	2017	155288.000	A	ap		340.304	
2017-07-31	2017	182078.000	A	ap		345.305	
2017-10-31	2017	232057.000	A	ap		644.196	
2017-11-30	2017	258236.000	A	ap		337.430	
2017-12-29	2017	287266.000	A	ap		374.177	
2018-01-31	2018	314644.000	A	ap		352.884	
2018-02-28	2018	337089.000	A	ap		289.301	
2018-03-30	2018	365297.000	A	ap		363.582	
2018-04-30	2018	378598.000	A	ap		171.441	
2018-06-01	2018	394091.000	A	ap		199.694	
2018-06-29	2018	394282.000	A	ap		2.462	
2018-07-31	2018	394282.000	A	ap		0.000	
2018-09-01	2018	394282.000	A	ap		0.000	
2018-10-01	2018	410895.000	A	ap		214.130	
2018-11-01	2018	422143.000	A	ap		144.979	
2018-11-30	2018	463904.000	A	ap		538.271	
2019-03-01	2019	509384.000	A	ap		586.207	
2019-04-01	2019	509384.000	A	ap		0.000	
2019-05-01	2019	532292.000	A	ap		295.269	
2019-05-31	2019	550539.000	A	ap		235.192	
2019-06-30	2019	550539.000	A	ap		0.000	
2019-08-01	2019	555838.000	A	RPT		0.683	
2019-09-01	2019	562908.000	A	RPT		0.911	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2019-09-30	2019	601171.000	A	RPT		4.932	
2019-10-31	2019	627576.000	A	RPT		3.403	
2019-11-30	2019	645050.000	A	RPT		2.252	
2019-12-31	2019	667409.000	A	RPT		2.882	
2020-02-01	2020	681056.000	A	RPT		1.759	
2020-03-01	2020	681056.000	A	RPT		0.000	
2020-04-01	2020	681056.000	A	RPT		0.000	
2020-05-01	2020	681056.000	A	RPT		0.000	
2020-06-01	2020	681056.000	A	RPT		0.000	
2020-08-01	2020	681056.000	A	RPT		0.000	
2020-09-01	2020	681838.000	A	RPT		0.101	
2020-10-01	2020	681839.000	A	RPT		0.000	
2020-10-31	2020	682043.000	A	WEB		0.026	X
2020-11-30	2020	682043.000	A	WEB		0.000	X
2020-12-31	2020	684071.000	A	WEB		0.261	X
2021-01-31	2021	684668.000	A	WEB		0.077	X
2021-02-28	2021	684668.000	A	ad		0.000	
2021-03-31	2021	685172.000	A	ad		0.065	
2021-04-30	2021	691734.000	A	ad		0.846	
2021-05-31	2021	696565.000	A	ad		0.623	
2021-06-30	2021	710429.000	A	ad		1.787	
2021-07-31	2021	716153.000	A	ad		0.738	
2021-08-31	2021	726965.000	A	ad		1.394	
2021-09-30	2021	726965.000	A	ad		0.000	
2021-10-31	2021	753407.000	A	ad		3.408	
2021-11-30	2021	774331.000	A	ad		2.697	
2022-01-03	2022	784798.000	A	ad		1.349	
2022-01-31	2022	796608.000	A	ad		1.522	
2022-02-28	2022	818446.000	A	ad		2.815	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2022-03-31	2022	908077.000	A	ad		11.553	
2022-04-30	2022	909677.000	A	ad		0.000	
2022-04-30	2022	23236.000	A	ad		0.000	
2022-06-01	2022	50066.000	A	ad		3.458	
2022-07-01	2022	85208.000	A	ad		4.530	
2022-08-01	2022	111798.000	A	ad		3.427	
2022-09-01	2022	124309.000	A	ad		1.613	
2022-10-01	2022	152307.000	A	ad		3.609	

YTD Meter Amounts:

Year	Amount
2016	0.000
2017	2159.118
2018	2276.744
2019	1131.731
2020	2.147
2021	11.635
2022	33.876

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	CP 01288 POD1	SE	SE	NE	34	20S	34E	637134.3	3600204.6	🌎

*** UTM location was derived from PLSS - see Help**

Driller License:	421	**Driller Company:**	GLENN'S WATER WELL SERVICE		
Driller Name:	GLENN, CLARK A."CORKY"				
Drill Start Date:	2014-12-21	**Drill Finish Date:**	2014-12-28	**Plug Date:**	
Log File Date:	2015-01-21	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	7.00	**Depth Well:**	1255	**Depth Water:**	758

Water Bearing Stratifications:

Top	Bottom	Description
1010	1034	Shale/Mudstone/Siltstone
1034	1096	Shale/Mudstone/Siltstone
1096	1128	Sandstone/Gravel/Conglomerate
1128	1191	Sandstone/Gravel/Conglomerate
1191	1222	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
937	1255

Meter Information

Meter Number:	17848	**Meter Make:**	SEAMETRICS
Meter Serial Number:	12 210 727	**Meter Multiplier:**	1.0000
Number of Dials:	8	**Meter Type:**	Diversion
Unit of Measure:	Barrels 42 gal.	**Reading Frequency:**	Monthly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2016-12-31	2016	520105.000	A	ap		0.000	
2017-01-31	2017	528574.000	A	ap		109.160	
2017-03-01	2017	530297.000	A	ap		22.208	
2017-04-01	2017	530297.000	A	ap		0.000	
2017-05-01	2017	530297.000	A	ap		0.000	
2017-06-01	2017	530297.000	A	ap		0.000	
2017-06-30	2017	547492.000	A	ap		221.632	
2017-07-31	2017	558680.000	A	ap		144.206	
2017-10-31	2017	564984.000	A	ap		81.254	
2017-11-30	2017	564984.000	A	ap		0.000	
2017-12-29	2017	564984.000	A	ap		0.000	
2018-01-31	2018	564984.000	A	ap		0.000	
2018-02-28	2018	564984.000	A	ap		0.000	
2018-03-30	2018	564984.000	A	ap		0.000	
2018-04-30	2018	564984.000	A	ap		0.000	
2018-06-01	2018	564984.000	A	ap		0.000	
2018-06-29	2018	564984.000	A	ap		0.000	
2018-07-31	2018	564984.000	A	ap		0.000	
2018-09-01	2018	564984.000	A	ap		0.000	
2018-10-01	2018	564984.000	A	ap		0.000	
2018-11-30	2018	564984.000	A	ap		0.000	
2019-03-01	2019	564984.000	A	ap		0.000	
2019-04-01	2019	564984.000	A	ap		0.000	
2019-05-01	2019	564984.000	A	ap		0.000	
2019-05-31	2019	564984.000	A	ap		0.000	
2019-06-30	2019	564984.000	A	ap		0.000	
2019-08-01	2019	603572.000	A	RPT		4.974	
2019-09-01	2019	603572.000	A	RPT		0.000	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2019-09-30	2019	607221.000	A	RPT		0.470	
2019-10-31	2019	612507.000	A	RPT		0.681	
2019-11-30	2019	612507.000	A	RPT		0.000	
2019-12-31	2019	627775.000	A	RPT		1.968	
2020-02-01	2020	636065.000	A	RPT		1.069	
2020-03-01	2020	636065.000	A	RPT		0.000	
2020-04-01	2020	636065.000	A	RPT		0.000	
2020-05-01	2020	636065.000	A	RPT		0.000	
2020-06-01	2020	636065.000	A	RPT		0.000	
2020-08-01	2020	636682.000	A	RPT		0.080	
2020-09-01	2020	636781.000	A	RPT		0.013	
2020-10-01	2020	637719.000	A	RPT		0.121	
2020-10-31	2020	638111.000	A	WEB		0.051	X
2020-11-30	2020	638111.000	A	WEB		0.000	X
2020-12-31	2020	638221.000	A	WEB		0.014	X
2021-01-31	2021	638352.000	A	WEB		0.017	X
2021-02-28	2021	638352.000	A	ad		0.000	
2021-03-31	2021	638352.000	A	ad		0.000	
2021-04-30	2021	639415.000	A	ad		0.137	
2021-05-31	2021	639463.000	A	ad		0.006	
2021-06-30	2021	639624.000	A	ad		0.021	
2021-07-31	2021	643188.000	A	ad		0.459	
2021-08-31	2021	645328.000	A	ad		0.276	
2021-09-30	2021	645328.000	A	ad		0.000	
2021-10-31	2021	646137.000	A	ad		0.104	
2021-11-30	2021	646165.000	A	ad		0.004	
2022-01-03	2022	646714.000	A	ad		0.071	
2022-01-31	2022	646714.000	A	ad		0.000	
2022-02-28	2022	646714.000	A	ad		0.000	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2022-03-31	2022	646714.000	A	ad		0.000	
2022-04-30	2022	646943.000	A	ad		0.000	
2022-06-01	2022	3486.000	A	ad		0.000	
2022-07-01	2022	10513.000	A	ad		0.906	
2022-08-01	2022	10513.000	A	ad		0.000	
2022-11-01	2022	10514.000	A	WEB		0.000	X
2022-12-01	2022	10514.000	A	WEB		0.000	X
2023-01-01	2022	11036.000	A	WEB		0.067	X
2023-02-01	2023	13493.000	A	WEB		0.317	X
2023-03-01	2023	13493.000	A	WEB		0.000	X
2023-04-01	2023	13493.000	A	WEB		0.000	X
2023-05-01	2023	13493.000	A	WEB		0.000	X
2023-06-01	2023	13493.000	A	WEB		0.000	X
2023-07-01	2023	13495.000	A	WEB		0.000	X
2023-08-01	2023	13500.000	A	WEB		0.001	X
2023-09-01	2023	19383.000	A	WEB		0.758	X
2023-10-01	2023	26258.000	A	WEB		0.886	X
2023-11-01	2023	26259.000	A	WEB		0.000	X
2023-12-01	2023	26259.000	A	WEB		0.000	X
2024-01-01	2023	91212.000	A	WEB		8.372	X
2024-02-01	2024	156286.000	A	WEB		8.388	X
2024-03-01	2024	221615.000	A	WEB		8.420	X
2024-04-01	2024	286615.000	A	WEB		8.378	X
2024-05-01	2024	351615.000	A	WEB		8.378	X
2024-06-01	2024	351615.000	A	WEB		0.000	X
2024-07-01	2024	481350.000	A	WEB		16.722	X
2024-08-01	2024	546513.000	A	WEB		8.399	X
2024-09-01	2024	615934.000	A	WEB		8.948	X
2024-10-01	2024	741516.000	A	WEB		16.187	X

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2024-11-01	2024	804496.000	A	WEB		8.118	X
2024-12-01	2024	867012.000	A	WEB		8.058	X
2025-01-01	2024	867012.000	A	WEB		0.000	X
2025-02-01	2025	867012.000	A	WEB		0.000	X
2025-03-01	2025	867012.000	A	WEB		0.000	X
2025-04-01	2025	867012.000	A	WEB		0.000	X
2025-05-01	2025	867012.000	A	WEB		0.000	X

YTD Meter Amounts:

Year	Amount
2016	0.000
2017	578.460
2018	0.000
2019	8.093
2020	1.348
2021	1.024
2022	1.044
2023	10.334
2024	99.996
2025	0.000

SOIL BORE LOG

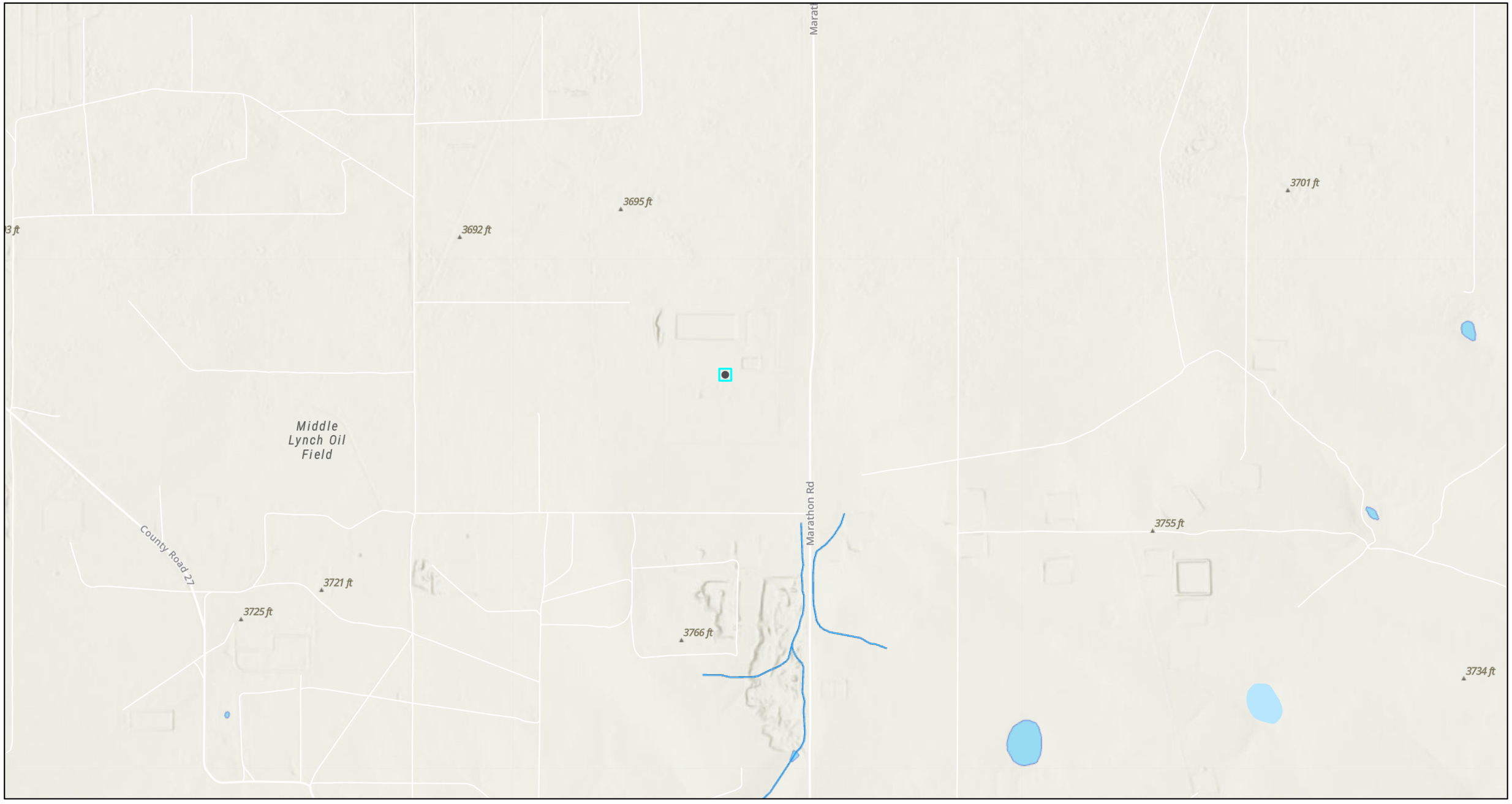
Project:	Chief 30 State #007H R.O.W.	**Date:**	August 30, 2022
Type:	Exploratory Water Bore	**Location:**	Chief 30 State #003H

Depth	Soil Type	Classification	Comments
0-20’	Fine Red Sand	Dry/Poorly Cemented	
20-25’	Fine Red Sand/Caliche	Fine Red Sand 30% Pink/Red Caliche 70% Well Sorted	
25-30’	Caliche	White/Well Sorted	
30-40’	Brown/Red Fine Sand	Dry/ Silty/Very Fine Grain	
40-50’	Fine Red Sand/Caliche	Brown/Red Sand 30% Pink/Brown Caliche 70% Well Sorted/Poorly Cemented	
50-55’ TD	Dark Brown Silty Sand w/Clay	Poorly Cemented Dry Sand	No groundwater present on 08/30/2022. No groundwater present on 09/07/2022.

PHOTOGRAPHIC DOCUMENTATION

WATER BORE PHOTOGRAPH

Libby Gas Plant



5/19/2025, 11:02:32 AM

OSW Water Bodys

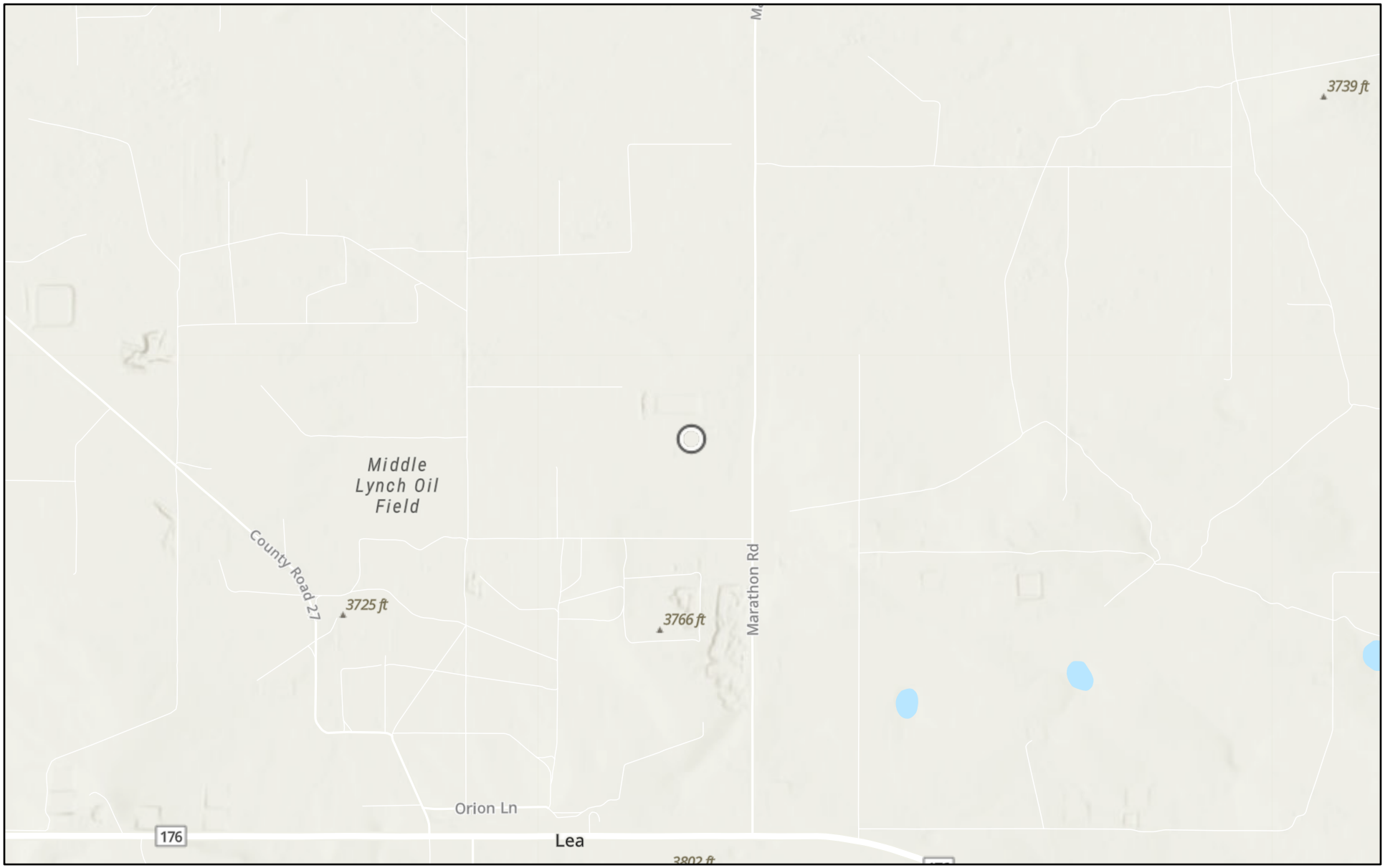
OSE Streams

1:18,056

0 0.17 0.35 0.7 mi

0 0.3 0.6 1.2 km

Libby Gas Plant



5/19/2025

World_Hillshade

1:36,112

0 0.25 0.5 1 mi

0 0.4 0.8 1.6 km

Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User

APPENDIX E

CARMONA RESOURCES

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ashton Thielke
Carmona Resources
310 W Wall St
Ste 500
Midland, Texas 79701

Generated 5/30/2025 2:39:03 PM

JOB DESCRIPTION

Libby Gas plant (07.29.2022)
Lea County, NM

JOB NUMBER

880-58713-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

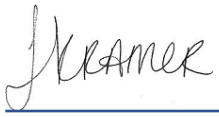
Eurofins Midland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Client: Carmona Resources
Project/Site: Libby Gas plant (07.29.2022)

Laboratory Job ID: 880-58713-1
SDG: Lea County, NM

Table of Contents

Definitions/Glossary

Client: Carmona Resources
Project/Site: Libby Gas plant (07.29.2022)

Job ID: 880-58713-1
SDG: Lea County, NM

Qualifiers

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Carmona Resources
Project: Libby Gas plant (07.29.2022)

Job ID: 880-58713-1

Job ID: 880-58713-1 Eurofins Midland

Job Narrative
880-58713-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 5/28/2025 3:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.5°C.

GC VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-111184 and analytical batch 880-111213 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-111184 and analytical batch 880-111213 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-111134 and analytical batch 880-111177 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Carmona Resources
Project/Site: Libby Gas plant (07.29.2022)

Job ID: 880-58713-1
SDG: Lea County, NM

Client Sample ID: H-1 (0-0.5')

Lab Sample ID: 880-58713-1

Date Collected: 05/28/25 00:00
Date Received: 05/28/25 15:50

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/29/25 12:01	05/29/25 19:14	1
Toluene	**0.00202**		0.00200		mg/Kg		05/29/25 12:01	05/29/25 19:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/25 12:01	05/29/25 19:14	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		05/29/25 12:01	05/29/25 19:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/25 12:01	05/29/25 19:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/29/25 12:01	05/29/25 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*05/29/25 12:01*	*05/29/25 19:14*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*05/29/25 12:01*	*05/29/25 19:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			05/29/25 19:14	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/29/25 22:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/29/25 11:09	05/29/25 22:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/29/25 11:09	05/29/25 22:05	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/29/25 11:09	05/29/25 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*108*		*70 - 130*	*05/29/25 11:09*	*05/29/25 22:05*	*1*
o-Terphenyl (Surr)	*100*		*70 - 130*	*05/29/25 11:09*	*05/29/25 22:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**105**		10.0		mg/Kg			05/29/25 20:06	1

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-58713-2

Date Collected: 05/28/25 00:00
Date Received: 05/28/25 15:50

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/29/25 12:01	05/29/25 19:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/29/25 12:01	05/29/25 19:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/29/25 12:01	05/29/25 19:34	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		05/29/25 12:01	05/29/25 19:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/29/25 12:01	05/29/25 19:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/29/25 12:01	05/29/25 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*05/29/25 12:01*	*05/29/25 19:34*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*05/29/25 12:01*	*05/29/25 19:34*	*1*

Client Sample Results

Client: Carmona Resources
Project/Site: Libby Gas plant (07.29.2022)

Job ID: 880-58713-1
SDG: Lea County, NM

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-58713-2

Date Collected: 05/28/25 00:00
Matrix: Solid
Date Received: 05/28/25 15:50

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/29/25 19:34	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/29/25 22:22	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		05/29/25 11:09	05/29/25 22:22	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/29/25 11:09	05/29/25 22:22	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/29/25 11:09	05/29/25 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*107*		*70 - 130*	*05/29/25 11:09*	*05/29/25 22:22*	*1*
o-Terphenyl (Surr)	*99*		*70 - 130*	*05/29/25 11:09*	*05/29/25 22:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**77.2**		10.0		mg/Kg			05/29/25 20:13	1

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-58713-3

Date Collected: 05/28/25 00:00
Matrix: Solid
Date Received: 05/28/25 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/29/25 12:01	05/29/25 19:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/29/25 12:01	05/29/25 19:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/25 12:01	05/29/25 19:55	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/29/25 12:01	05/29/25 19:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/25 12:01	05/29/25 19:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/29/25 12:01	05/29/25 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*05/29/25 12:01*	*05/29/25 19:55*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*05/29/25 12:01*	*05/29/25 19:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/29/25 19:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			05/29/25 22:38	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		05/29/25 11:09	05/29/25 22:38	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/29/25 11:09	05/29/25 22:38	1

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Client Sample Results

Client: Carmona Resources
Project/Site: Libby Gas plant (07.29.2022)

Job ID: 880-58713-1
SDG: Lea County, NM

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-58713-3
Matrix: Solid
Date Collected: 05/28/25 00:00
Date Received: 05/28/25 15:50

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/29/25 11:09	05/29/25 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*110*		*70 - 130*	*05/29/25 11:09*	*05/29/25 22:38*	*1*
o-Terphenyl (Surr)	*103*		*70 - 130*	*05/29/25 11:09*	*05/29/25 22:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**82.4**	**F1**	10.1		mg/Kg			05/29/25 20:21	1

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-58713-4
Matrix: Solid
Date Collected: 05/28/25 00:00
Date Received: 05/28/25 15:50

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/29/25 12:01	05/29/25 20:15	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/29/25 12:01	05/29/25 20:15	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/25 12:01	05/29/25 20:15	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/29/25 12:01	05/29/25 20:15	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/25 12:01	05/29/25 20:15	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/29/25 12:01	05/29/25 20:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*05/29/25 12:01*	*05/29/25 20:15*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*05/29/25 12:01*	*05/29/25 20:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/29/25 20:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/30/25 12:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/30/25 09:45	05/30/25 12:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/30/25 09:45	05/30/25 12:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/30/25 09:45	05/30/25 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*05/30/25 09:45*	*05/30/25 12:29*	*1*
o-Terphenyl (Surr)	*90*		*70 - 130*	*05/30/25 09:45*	*05/30/25 12:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**109**		10.0		mg/Kg			05/29/25 20:42	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Libby Gas plant (07.29.2022)

Job ID: 880-58713-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
820-19073-A-1-D MS	Matrix Spike	108	87
820-19073-A-1-E MSD	Matrix Spike Duplicate	98	81
880-58713-1	H-1 (0-0.5')	98	73
880-58713-2	H-2 (0-0.5')	97	73
880-58713-3	H-3 (0-0.5')	112	73
880-58713-4	H-4 (0-0.5')	103	73
LCS 880-111106/1-A	Lab Control Sample	97	83
LCSD 880-111106/2-A	Lab Control Sample Dup	103	81
MB 880-111106/5-A	Method Blank	100	71

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-58710-A-3-E MS	Matrix Spike	104	102
880-58710-A-3-F MSD	Matrix Spike Duplicate	102	100
880-58713-1	H-1 (0-0.5')	108	100
880-58713-2	H-2 (0-0.5')	107	99
880-58713-3	H-3 (0-0.5')	110	103
880-58713-4	H-4 (0-0.5')	89	90
890-8254-A-1-B MS	Matrix Spike	90	84
890-8254-A-1-C MSD	Matrix Spike Duplicate	92	85
LCS 880-111113/2-A	Lab Control Sample	112	109
LCS 880-111184/2-A	Lab Control Sample	84	95
LCSD 880-111113/3-A	Lab Control Sample Dup	113	111
LCSD 880-111184/3-A	Lab Control Sample Dup	78	87
MB 880-111113/1-A	Method Blank	115	101
MB 880-111184/1-A	Method Blank	94	95

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Carmona Resources
Project/Site: Libby Gas plant (07.29.2022)

Job ID: 880-58713-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-111106/5-A
Matrix: Solid
Analysis Batch: 111099

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111106

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/29/25 09:51	05/29/25 12:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/29/25 09:51	05/29/25 12:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/29/25 09:51	05/29/25 12:10	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		05/29/25 09:51	05/29/25 12:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/29/25 09:51	05/29/25 12:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/29/25 09:51	05/29/25 12:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*05/29/25 09:51*	*05/29/25 12:10*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*05/29/25 09:51*	*05/29/25 12:10*	*1*

Lab Sample ID: LCS 880-111106/1-A
Matrix: Solid
Analysis Batch: 111099

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111106

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1068		mg/Kg		107	70 - 130		
Toluene			0.100	0.09937		mg/Kg		99	70 - 130		
Ethylbenzene			0.100	0.1001		mg/Kg		100	70 - 130		
m,p-Xylenes			0.200	0.1998		mg/Kg		100	70 - 130		
o-Xylene			0.100	0.1018		mg/Kg		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*

Lab Sample ID: LCSD 880-111106/2-A
Matrix: Solid
Analysis Batch: 111099

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111106

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1092		mg/Kg		109	70 - 130	2	35
Toluene			0.100	0.1033		mg/Kg		103	70 - 130	4	35
Ethylbenzene			0.100	0.1049		mg/Kg		105	70 - 130	5	35
m,p-Xylenes			0.200	0.2082		mg/Kg		104	70 - 130	4	35
o-Xylene			0.100	0.1047		mg/Kg		105	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*

Lab Sample ID: 820-19073-A-1-D MS
Matrix: Solid
Analysis Batch: 111099

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 111106

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.100	0.1084		mg/Kg		108	70 - 130		
Toluene	<0.00200	U	0.100	0.1021		mg/Kg		102	70 - 130		

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Libby Gas plant (07.29.2022)

Job ID: 880-58713-1
SDG: Lea County, NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 820-19073-A-1-D MS
Matrix: Solid
Analysis Batch: 111099

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 111106

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.100	0.1041		mg/Kg		104	70 - 130
m,p-Xylenes	<0.00399	U	0.200	0.2100		mg/Kg		105	70 - 130
o-Xylene	<0.00200	U	0.100	0.1068		mg/Kg		107	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

Lab Sample ID: 820-19073-A-1-E MSD
Matrix: Solid
Analysis Batch: 111099

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 111106

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1048		mg/Kg		105	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.09974		mg/Kg		100	70 - 130	2	35
Ethylbenzene	<0.00200	U	0.100	0.1002		mg/Kg		100	70 - 130	4	35
m,p-Xylenes	<0.00399	U	0.200	0.2004		mg/Kg		100	70 - 130	5	35
o-Xylene	<0.00200	U	0.100	0.1015		mg/Kg		102	70 - 130	5	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-111113/1-A
Matrix: Solid
Analysis Batch: 111136

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111113

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/29/25 11:09	05/29/25 20:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/29/25 11:09	05/29/25 20:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/29/25 11:09	05/29/25 20:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*115*		*70 - 130*	*05/29/25 11:09*	*05/29/25 20:10*	*1*
o-Terphenyl (Surr)	*101*		*70 - 130*	*05/29/25 11:09*	*05/29/25 20:10*	*1*

Lab Sample ID: LCS 880-111113/2-A
Matrix: Solid
Analysis Batch: 111136

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111113

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1038		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1104		mg/Kg		110	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Libby Gas plant (07.29.2022)

Job ID: 880-58713-1
SDG: Lea County, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-111113/2-A
Matrix: Solid
Analysis Batch: 111136

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111113

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	112		70 - 130
o-Terphenyl (Surr)	109		70 - 130

Lab Sample ID: LCSD 880-111113/3-A
Matrix: Solid
Analysis Batch: 111136

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111113

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1070		mg/Kg		107	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1103		mg/Kg		110	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	113		70 - 130
o-Terphenyl (Surr)	111		70 - 130

Lab Sample ID: 880-58710-A-3-E MS
Matrix: Solid
Analysis Batch: 111136

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 111113

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	922.5		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	995	897.7		mg/Kg		90	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	104		70 - 130
o-Terphenyl (Surr)	102		70 - 130

Lab Sample ID: 880-58710-A-3-F MSD
Matrix: Solid
Analysis Batch: 111136

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 111113

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	995	906.2		mg/Kg		91	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	995	893.2		mg/Kg		90	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	102		70 - 130
o-Terphenyl (Surr)	100		70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Libby Gas plant (07.29.2022)

Job ID: 880-58713-1
SDG: Lea County, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-111184/1-A
Matrix: Solid
Analysis Batch: 111213

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 111184

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/29/25 15:51	05/30/25 03:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/29/25 15:51	05/30/25 03:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/29/25 15:51	05/30/25 03:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*94*		*70 - 130*	*05/29/25 15:51*	*05/30/25 03:59*	*1*
o-Terphenyl (Surr)	*95*		*70 - 130*	*05/29/25 15:51*	*05/30/25 03:59*	*1*

Lab Sample ID: LCS 880-111184/2-A
Matrix: Solid
Analysis Batch: 111213

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 111184

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	852.8		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1024		mg/Kg		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*84*		*70 - 130*
o-Terphenyl (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-111184/3-A
Matrix: Solid
Analysis Batch: 111213

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 111184

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	794.5		mg/Kg		79	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	927.0		mg/Kg		93	70 - 130	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*78*		*70 - 130*
o-Terphenyl (Surr)	*87*		*70 - 130*

Lab Sample ID: 890-8254-A-1-B MS
Matrix: Solid
Analysis Batch: 111213

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 111184

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	1000	674.4	F1	mg/Kg		67	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	681.4	F1	mg/Kg		68	70 - 130

QC Sample Results

Client: Carmona Resources
Project/Site: Libby Gas plant (07.29.2022)

Job ID: 880-58713-1
SDG: Lea County, NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-8254-A-1-B MS
Matrix: Solid
Analysis Batch: 111213

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 111184

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane (Surr)	90		70 - 130
o-Terphenyl (Surr)	84		70 - 130

Lab Sample ID: 890-8254-A-1-C MSD
Matrix: Solid
Analysis Batch: 111213

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 111184

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	1000	688.4	F1	mg/Kg		69	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	699.5		mg/Kg		70	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane (Surr)	92		70 - 130
o-Terphenyl (Surr)	85		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-111134/1-A
Matrix: Solid
Analysis Batch: 111177

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			05/29/25 18:16	1

Lab Sample ID: LCS 880-111134/2-A
Matrix: Solid
Analysis Batch: 111177

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	271.7		mg/Kg		109	90 - 110		

Lab Sample ID: LCSD 880-111134/3-A
Matrix: Solid
Analysis Batch: 111177

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	275.0		mg/Kg		110	90 - 110	1	20

Lab Sample ID: 880-58713-3 MS
Matrix: Solid
Analysis Batch: 111177

Client Sample ID: H-3 (0-0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	82.4	F1	253	371.5	F1	mg/Kg		114	90 - 110		

QC Sample Results

Client: Carmona Resources
Project/Site: Libby Gas plant (07.29.2022)

Job ID: 880-58713-1
SDG: Lea County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-58713-3 MSD
Matrix: Solid
Analysis Batch: 111177

Client Sample ID: H-3 (0-0.5')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	82.4	F1	253	374.4	F1	mg/Kg		116	90 - 110	1	20

QC Association Summary

Client: Carmona Resources
Project/Site: Libby Gas plant (07.29.2022)

Job ID: 880-58713-1
SDG: Lea County, NM

GC VOA

Analysis Batch: 111099

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58713-1	H-1 (0-0.5')	Total/NA	Solid	8021B	111106
880-58713-2	H-2 (0-0.5')	Total/NA	Solid	8021B	111106
880-58713-3	H-3 (0-0.5')	Total/NA	Solid	8021B	111106
880-58713-4	H-4 (0-0.5')	Total/NA	Solid	8021B	111106
MB 880-111106/5-A	Method Blank	Total/NA	Solid	8021B	111106
LCS 880-111106/1-A	Lab Control Sample	Total/NA	Solid	8021B	111106
LCSD 880-111106/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111106
820-19073-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	111106
820-19073-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	111106

Prep Batch: 111106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58713-1	H-1 (0-0.5')	Total/NA	Solid	5035	
880-58713-2	H-2 (0-0.5')	Total/NA	Solid	5035	
880-58713-3	H-3 (0-0.5')	Total/NA	Solid	5035	
880-58713-4	H-4 (0-0.5')	Total/NA	Solid	5035	
MB 880-111106/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-111106/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-111106/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
820-19073-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
820-19073-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 111258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58713-1	H-1 (0-0.5')	Total/NA	Solid	Total BTEX	
880-58713-2	H-2 (0-0.5')	Total/NA	Solid	Total BTEX	
880-58713-3	H-3 (0-0.5')	Total/NA	Solid	Total BTEX	
880-58713-4	H-4 (0-0.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 111113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58713-1	H-1 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-58713-2	H-2 (0-0.5')	Total/NA	Solid	8015NM Prep	
880-58713-3	H-3 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-111113/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111113/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111113/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-58710-A-3-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-58710-A-3-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 111136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58713-1	H-1 (0-0.5')	Total/NA	Solid	8015B NM	111113
880-58713-2	H-2 (0-0.5')	Total/NA	Solid	8015B NM	111113
880-58713-3	H-3 (0-0.5')	Total/NA	Solid	8015B NM	111113
MB 880-111113/1-A	Method Blank	Total/NA	Solid	8015B NM	111113
LCS 880-111113/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111113
LCSD 880-111113/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111113
880-58710-A-3-E MS	Matrix Spike	Total/NA	Solid	8015B NM	111113

QC Association Summary

Client: Carmona Resources
Project/Site: Libby Gas plant (07.29.2022)

Job ID: 880-58713-1
SDG: Lea County, NM

GC Semi VOA (Continued)

Analysis Batch: 111136 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58710-A-3-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	111113

Prep Batch: 111184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58713-4	H-4 (0-0.5')	Total/NA	Solid	8015NM Prep	
MB 880-111184/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111184/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111184/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8254-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-8254-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 111213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58713-4	H-4 (0-0.5')	Total/NA	Solid	8015B NM	111184
MB 880-111184/1-A	Method Blank	Total/NA	Solid	8015B NM	111184
LCS 880-111184/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111184
LCSD 880-111184/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111184
890-8254-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	111184
890-8254-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	111184

Analysis Batch: 111226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58713-1	H-1 (0-0.5')	Total/NA	Solid	8015 NM	
880-58713-2	H-2 (0-0.5')	Total/NA	Solid	8015 NM	
880-58713-3	H-3 (0-0.5')	Total/NA	Solid	8015 NM	
880-58713-4	H-4 (0-0.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 111134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58713-1	H-1 (0-0.5')	Soluble	Solid	DI Leach	
880-58713-2	H-2 (0-0.5')	Soluble	Solid	DI Leach	
880-58713-3	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-58713-4	H-4 (0-0.5')	Soluble	Solid	DI Leach	
MB 880-111134/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111134/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-111134/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-58713-3 MS	H-3 (0-0.5')	Soluble	Solid	DI Leach	
880-58713-3 MSD	H-3 (0-0.5')	Soluble	Solid	DI Leach	

Analysis Batch: 111177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58713-1	H-1 (0-0.5')	Soluble	Solid	300.0	111134
880-58713-2	H-2 (0-0.5')	Soluble	Solid	300.0	111134
880-58713-3	H-3 (0-0.5')	Soluble	Solid	300.0	111134
880-58713-4	H-4 (0-0.5')	Soluble	Solid	300.0	111134
MB 880-111134/1-A	Method Blank	Soluble	Solid	300.0	111134
LCS 880-111134/2-A	Lab Control Sample	Soluble	Solid	300.0	111134
LCSD 880-111134/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111134
880-58713-3 MS	H-3 (0-0.5')	Soluble	Solid	300.0	111134

QC Association Summary

Client: Carmona Resources
Project/Site: Libby Gas plant (07.29.2022)

Job ID: 880-58713-1
SDG: Lea County, NM

HPLC/IC (Continued)

Analysis Batch: 111177 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-58713-3 MSD	H-3 (0-0.5')	Soluble	Solid	300.0	111134

Lab Chronicle

Client: Carmona Resources
Project/Site: Libby Gas plant (07.29.2022)

Job ID: 880-58713-1
SDG: Lea County, NM

Client Sample ID: H-1 (0-0.5')

Lab Sample ID: 880-58713-1

Date Collected: 05/28/25 00:00
Matrix: Solid
Date Received: 05/28/25 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	111106	05/29/25 12:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111099	05/29/25 19:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111258	05/29/25 19:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			111226	05/29/25 22:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	111113	05/29/25 11:09	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111136	05/29/25 22:05	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	111134	05/29/25 11:46	SA	EET MID
Soluble	Analysis	300.0		1			111177	05/29/25 20:06	CH	EET MID

Client Sample ID: H-2 (0-0.5')

Lab Sample ID: 880-58713-2

Date Collected: 05/28/25 00:00
Matrix: Solid
Date Received: 05/28/25 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	111106	05/29/25 12:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111099	05/29/25 19:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111258	05/29/25 19:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			111226	05/29/25 22:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	111113	05/29/25 11:09	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111136	05/29/25 22:22	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	111134	05/29/25 11:46	SA	EET MID
Soluble	Analysis	300.0		1			111177	05/29/25 20:13	CH	EET MID

Client Sample ID: H-3 (0-0.5')

Lab Sample ID: 880-58713-3

Date Collected: 05/28/25 00:00
Matrix: Solid
Date Received: 05/28/25 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	111106	05/29/25 12:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111099	05/29/25 19:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111258	05/29/25 19:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			111226	05/29/25 22:38	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	111113	05/29/25 11:09	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111136	05/29/25 22:38	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	111134	05/29/25 11:46	SA	EET MID
Soluble	Analysis	300.0		1			111177	05/29/25 20:21	CH	EET MID

Client Sample ID: H-4 (0-0.5')

Lab Sample ID: 880-58713-4

Date Collected: 05/28/25 00:00
Matrix: Solid
Date Received: 05/28/25 15:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	111106	05/29/25 12:01	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111099	05/29/25 20:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111258	05/29/25 20:15	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Carmona Resources
Project/Site: Libby Gas plant (07.29.2022)

Job ID: 880-58713-1
SDG: Lea County, NM

Client Sample ID: H-4 (0-0.5')

Date Collected: 05/28/25 00:00
Date Received: 05/28/25 15:50

Lab Sample ID: 880-58713-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			111226	05/30/25 12:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	111184	05/30/25 09:45	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111213	05/30/25 12:29	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	111134	05/29/25 11:46	SA	EET MID
Soluble	Analysis	300.0		1			111177	05/29/25 20:42	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Carmona Resources
Project/Site: Libby Gas plant (07.29.2022)

Job ID: 880-58713-1
SDG: Lea County, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Carmona Resources
Project/Site: Libby Gas plant (07.29.2022)

Job ID: 880-58713-1
SDG: Lea County, NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Carmona Resources
Project/Site: Libby Gas plant (07.29.2022)

Job ID: 880-58713-1
SDG: Lea County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-58713-1	H-1 (0-0.5')	Solid	05/28/25 00:00	05/28/25 15:50
880-58713-2	H-2 (0-0.5')	Solid	05/28/25 00:00	05/28/25 15:50
880-58713-3	H-3 (0-0.5')	Solid	05/28/25 00:00	05/28/25 15:50
880-58713-4	H-4 (0-0.5')	Solid	05/28/25 00:00	05/28/25 15:50

Chain of Custody

880-58713 Chain of Custody

Project Manager:	Ashton Thielke	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 West Wall Ste. 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-8988	Email:	thielkea@carmonaresources.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Libby Gas Plant (07.29.2022)	Turn Around	
Project Number:	2542	☑ Routine ☐ Rush	
Project Location	Lea County, NM	Due Date:	Normal
Sampler's Name:	GPJ		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	IR8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-1
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.6
Total Containers:		Corrected Temperature:	4.4

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2S0_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	HOLD	Sample Comments
H-1 (0-0.5')	5/28/2025		X		G	1		X	X	X		
H-2 (0-0.5')	5/28/2025		X		G	1		X	X	X		
H-3 (0-0.5')	5/28/2025		X		G	1		X	X	X		
H-4 (0-0.5')	5/28/2025		X		G	1		X	X	X		

Please send results to cmoehring@carmonaresources.com and mcarmona@carmonaresources.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		5/26/25 1550	2		
3			4		
5			6		

Revised Date 05012020 Rev. 2020.1

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-58713-1
SDG Number: Lea County, NM

Login Number: 58713
List Number: 1
Creator: Vasquez, Julisa

List Source: Eurofins Midland

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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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

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 489408
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2221356449**
Incident Name	**NAPP2221356449 LIBBY GAS PLANT @ 0**
Incident Type	**Fire**
Incident Status	**Remediation Closure Report Received**
Incident Facility	**[fSCW2306637963] LIBBY GAS PLANT**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	LIBBY GAS PLANT
Date Release Discovered	07/29/2022
Surface Owner	Private

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	*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	Cause: | | Other (Specify) | Released: 0 (Unknown Released Amount) | Recovered: 0 | Lost: 0 .
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Suspected tube leak at residue gas compressor #6170, gas consumed in the fire.

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QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 489408
	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)	**More info needed to determine if this will be treated as 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:** **(2) an unauthorized release of a volume that:** **(a) results in a fire or is the result of a fire.**
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Cassie Whitefield Email: cassie.whitefield@deleklogistics.com Date: 07/29/2025

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QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 489408
	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 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
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)	Between 1 and 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	No

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
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.	
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)	109
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
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	07/29/2022
On what date will (or did) the final sampling or liner inspection occur	05/28/2025
On what date will (or was) the remediation complete(d)	05/28/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0
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 (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 489408
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	*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)	Yes
Other Non-listed Remedial Process. Please specify	No remediation took place due to fire at compressor. Verified no impact to the soil via soil testing and no evidence of impact to the ground was found. Photographs show no staining or discolored soils.
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Cassie Whitefield Email: cassie.whitefield@deleklogistics.com Date: 07/29/2025
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 (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 489408
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
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.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 489408
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**466428**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**05/28/2025**
What was the (estimated) number of samples that were to be gathered	**5**
What was the sampling surface area in square feet	**500**

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	0
What was the total volume (cubic yards) remediated	0
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	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	No remediation took place due to fire at compressor. Verified no impact to the soil via soil testing and no evidence of impact to the ground was found. Photographs show no staining or discolored soils. Site will be reclaimed per NMAC 19.15.29.13 during P/A operations.

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: Cassie Whitefield Email: cassie.whitefield@deleklogistics.com Date: 07/29/2025

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QUESTIONS (continued)

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 489408
	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

Sante Fe Main Office
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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

Operator: DKL Energy - Cottonwood, LLC 5850 Granite Parkway #450 Plano, TX 75024	OGRID: 330291
	Action Number: 489408
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation closure report approved along with variance request toward 19.15.29.12.D.1 NMAC for the use of the collection of grab samples instead of five-point composite samples. Since incident occurred on-pad, reclamation and re-vegetation will occur after the site has been decommissioned. Released resolved.	8/8/2025