



SITE INFORMATION

Closure Report
Ohkay BHH State #001 (03.15.24)
Eddy County, New Mexico
Incident ID: nAPP2407637319
Unit D Sec 6 T25S R30E
32.165948°, -103.928501°

Crude Oil Release
Point of Release: Equipment Failure Resulting in Flare Fire
Release Date: 03.15.2024
Volume Released: 1 barrels of Crude Oil
Volume Recovered: 0 barrels of Crude Oil

CARMONA RESOURCES



Prepared for:
Concho Operating, LLC
15 West London Road,
Loving, New Mexico 88256

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



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July 23, 2024

Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

**Re: Closure Report
Ohkay BHH State #001 (03.15.24)
Concho Operating, LLC
Incident ID: nAPP2407637319
Site Location: Unit D, S6, T25S, R30E
(Lat 32.165948°, Long -103.928501°)
Eddy County, New Mexico**

Mr. Bratcher:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site activities for the Ohkay BHH State #001 (03.15.24). The site is located at 32.165948°, -103.928501° within Unit D, S6, T25S, and R30E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on March 15, 2024, due to equipment failure, resulting in a flare fire. It resulted in approximately one (1) barrels of crude oil being released and zero (0) barrels of crude oil being recovered. The impacted area occurred on the pad, shown in Figure 3. The initial C-141 form is 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, one known water source is within a 0.50-mile radius of the location. The closest well is approximately 1.14 miles South of the site in S7, T25S, R30E and was drilled in 1998. The well has a reported depth to groundwater of 264.12 feet below the ground surface (ft bgs). A copy of the associated point of diversion is attached in Appendix D.

3.0 NMAC Regulatory Criteria

Per the NMOCD regulatory criteria established in 19.15.29.12, 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.

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4.0 Site Assessment Activities

On April 2, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of three (3) vertical sample points (S-1 through S-3) and five (5) horizontal sample points (H-1 through H-5) were advanced to depths ranging from the surface to 1' bgs inside the release area to assess the vertical and horizontal extent. See Figure 3 for the sample locations. 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 Cardinal Laboratories in Hobbs, New Mexico. 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 4500. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E.

See Table 1 for the analytical results.

5.0 Remediation Activities

On April 18, 2024, Carmona Resources was on site to conduct excavation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via the NMOCD web portal, per Subsection D of 19.15.29.12 NMAC. See Appendix C. A total of twelve (12) confirmation floor samples (CS-1 through CS-12) and fifteen (15) sidewall samples (SW-1 through SW-15) were collected every 200 square feet to ensure the proper removal of the contaminated soils. 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 Cardinal Laboratories in Hobbs, New Mexico. All collected samples were analyzed for TPH by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 4500. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E. Refer to Table 2. The excavation depths and confirmation sample locations are shown in Figure 4.

Once the remediation activities were completed, the excavated areas were backfilled with clean material to surface grade. The material utilized for backfill was sourced from the MEC Pit (CO-1139-0), located at GPS 32.1637319, -103.516651. The pit sample was analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix E.

Approximately 73 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. The final C-141 is attached, and COG formally requests the closure of the release. If you have any questions regarding this report or need additional information, please get in touch with us at 432-813-1992.

Sincerely,

Carmona Resources, LLC

Mike Carmona
Environmental Manager

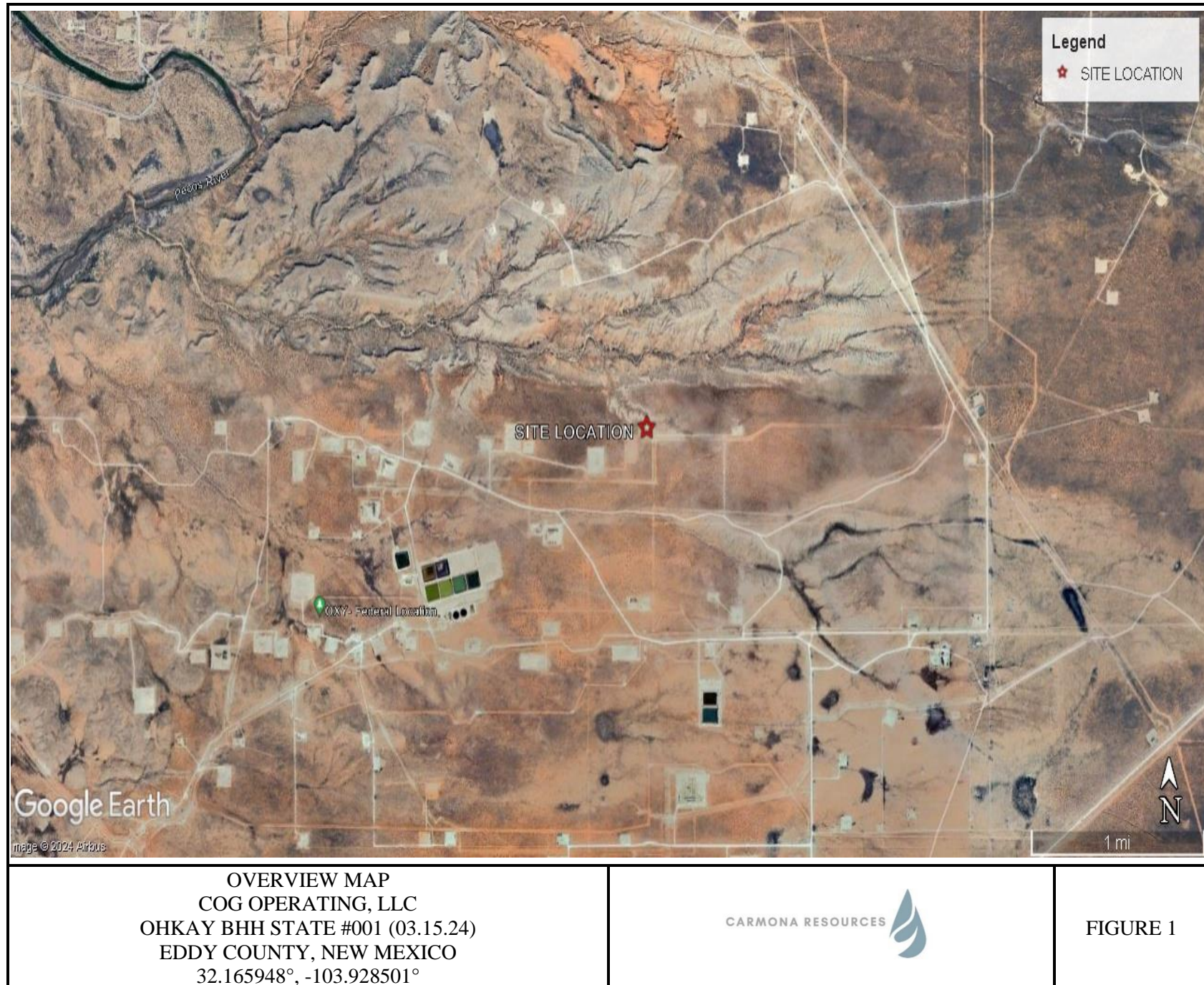
Conner Moehring
Sr. Project Manager

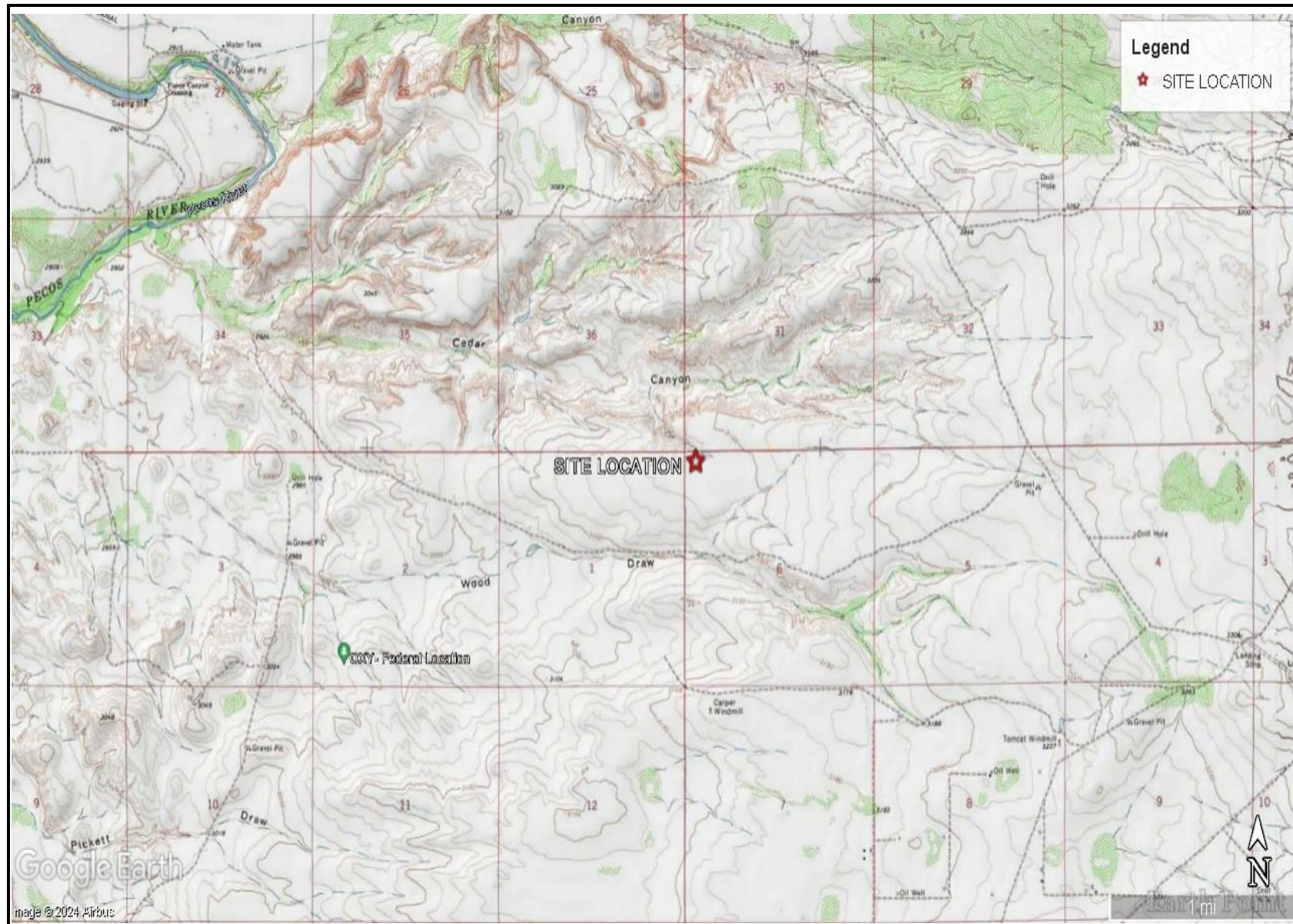
310 West Wall Street, Suite 500
Midland, Texas 79701
432.813.1992

FIGURES

CARMONA RESOURCES



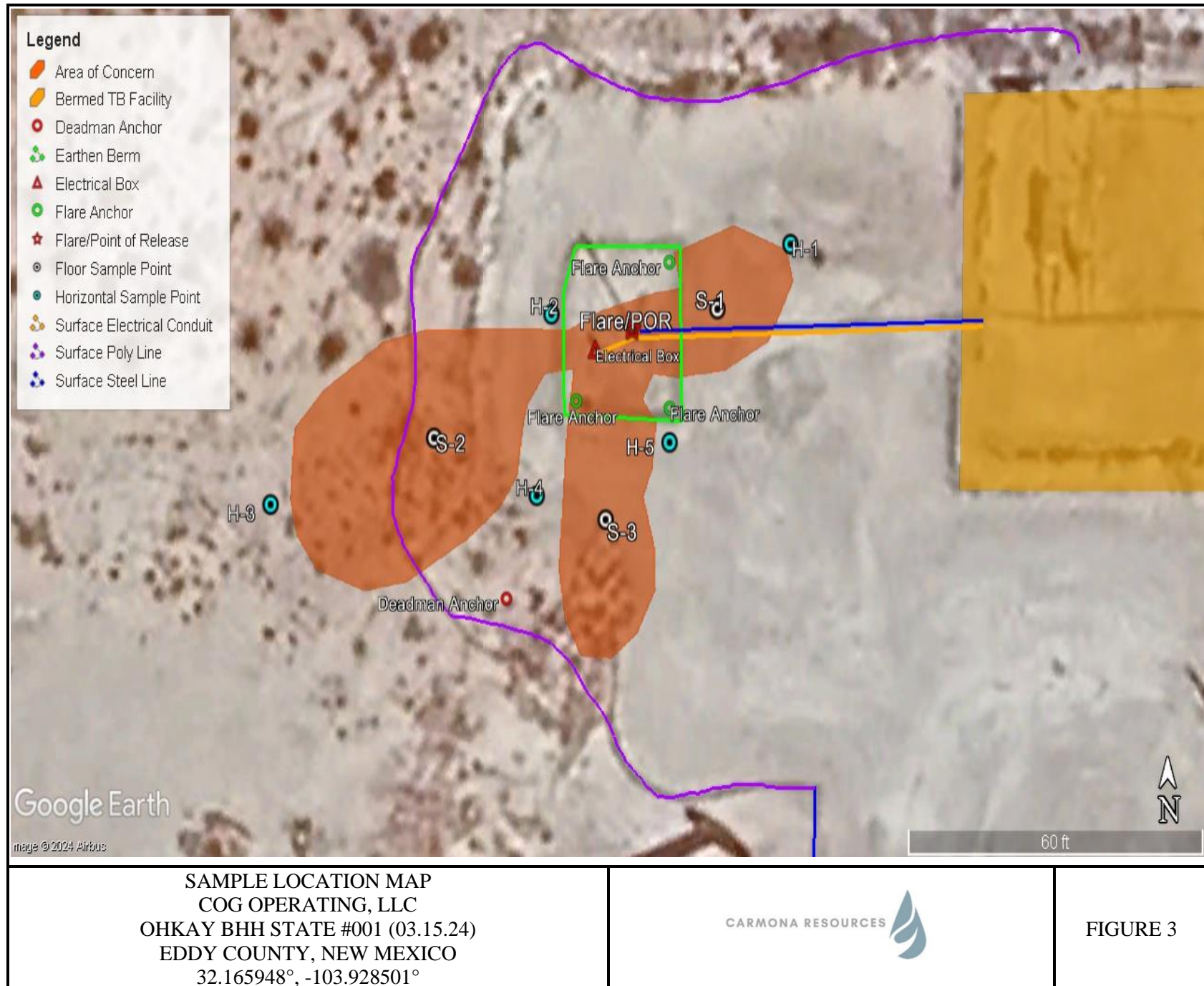


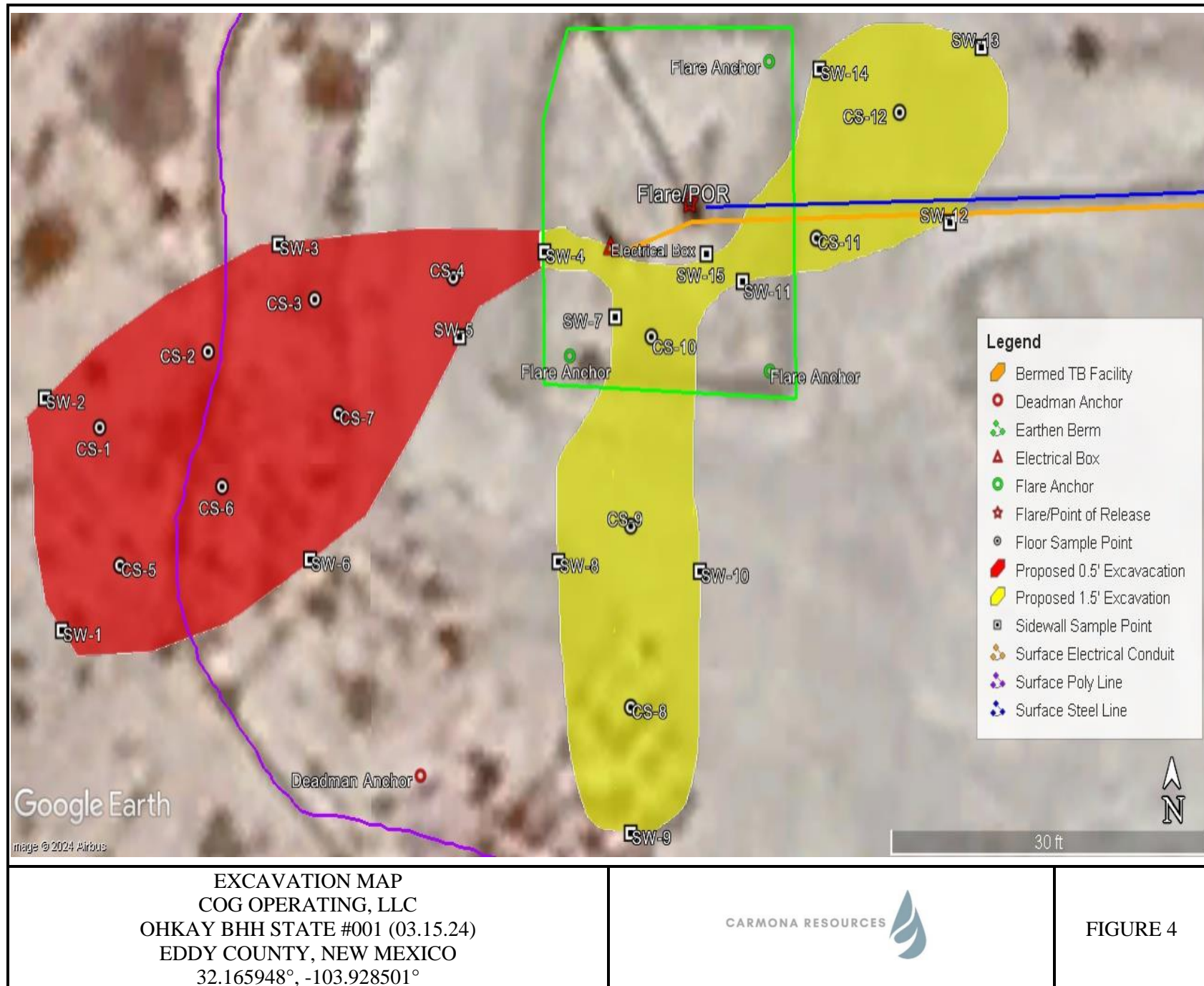


TOPOGRAPHIC MAP
 COG OPERATING, LLC
 OHKAY BHH STATE #001 (03.15.24)
 EDDY COUNTY, NEW MEXICO
 32.165948°, -103.928501°



FIGURE 2





APPENDIX A

CARMONA RESOURCES



Table 1
COG Operating, LLC
Ohkay BHH St 1 Flare Fire
Eddy 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						
S-1	4/2/2024	0-0.25	<100	11,100	2,640	13,740	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	0.5	<10.0	3,250	717	3,967	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
	"	1	<10.0	118	20.8	138.5	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
S-2	4/2/2024	0-0.25	<10.0	1,180	505	1,685	<0.050	<0.050	<0.050	<0.150	<0.300	128
	"	0.5	<10.0	58.5	21.1	79.6	<0.050	<0.050	<0.050	<0.150	<0.300	128
	"	1	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
S-3	4/2/2024	0.25	<10.0	1,230	387	1,617	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
	"	0.5	<10.0	347	119	466	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-1	4/2/2024	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
H-2	4/2/2024	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
H-3	4/2/2024	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
H-4	4/2/2024	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
H-5	4/2/2024	0-0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
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

(S) Sample Point

(H) Horizontal Sample

 Removed

Table 2
COG Operating, LLC
Ohkay BHH St 1 Flare Fire
Eddy 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						
CS-1	4/18/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-2	4/18/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-3	4/18/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
CS-4	4/18/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
CS-5	4/18/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
CS-6	4/19/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-7	4/18/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-8	4/18/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-9	4/18/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
CS-10	4/18/2024	1.5	<10.0	23.2	<10.0	23.2	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-11	4/18/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
CS-12	4/18/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
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

TPH- Total Petroleum Hvdrocarbons

ft-feet

(CS) Confirmation Samples

Table 2
COG Operating, LLC
Ohkay BHH St 1 Flare Fire
Eddy County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
SW-1	4/18/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-2	4/18/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-3	4/18/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-4	4/18/2024	1.0	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-5	4/18/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-6	4/18/2024	0.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<16.0
SW-7	4/18/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-8	4/18/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-9	4/18/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-10	4/18/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-11	4/18/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
SW-12	4/18/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-13	4/18/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-14	4/18/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	16.0
SW-15	4/18/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
SW-15	4/18/2024	1.5	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
MEC Pit (CO-1139-0)	7/18/2024	*	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	24.2
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

(SW) Sidewall Samples

APPENDIX B

CARMONA RESOURCES



PHOTOGRAPHIC LOG

COG Operating

Photograph No. 1

Facility: Ohkay BHH State #001 (03.15.24)

County: Eddy County, New Mexico

Description:

View Northwest, area of CS-1 through CS-7.



Photograph No. 2

Facility: Ohkay BHH State #001 (03.15.24)

County: Eddy County, New Mexico

Description:

View South, area of CS-8 through CS-10.



Photograph No. 3

Facility: Ohkay BHH State #001 (03.15.24)

County: Eddy County, New Mexico

Description:

View Northwest, area of CS-11 and CS-12



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

Action 323835

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 323835
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
Please answer all the questions in this group.	
Site Name	OHKAY BHH STATE #001
Date Release Discovered	03/15/2024
Surface Owner	State

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	Cause: Fire Other (Specify) Crude Oil Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 323835

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 323835
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more; (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 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 323835

ACKNOWLEDGMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 323835
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment.
<input checked="" type="checkbox"/>	I acknowledge the fact that the acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment.
<input checked="" type="checkbox"/>	I acknowledge the fact that, in addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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CONDITIONS

Action 323835

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 323835
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
jacquih	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	3/16/2024

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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 338144

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 338144
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2407637319
Incident Name	NAPP2407637319 OHKAY BHH STATE #001 @ 30-015-34551
Incident Type	Fire
Incident Status	Initial C-141 Approved
Incident Well	[30-015-34551] OHKAY BHH STATE #001

Location of Release Source	
Site Name	OHKAY BHH STATE #001
Date Release Discovered	03/15/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	1,810
What is the estimated number of samples that will be gathered	27
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/18/2024
Time sampling will commence	10:30 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Initial Sampling notification was inadvertently submitted under incident # nAPP2409931184
Please provide any information necessary for navigation to sampling site	32.165947, -103.928524

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

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

CONDITIONS

Action 338144

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 338144
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jacquih	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/26/2024

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: Jacqui Harris Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

APPENDIX D

CARMONA RESOURCES

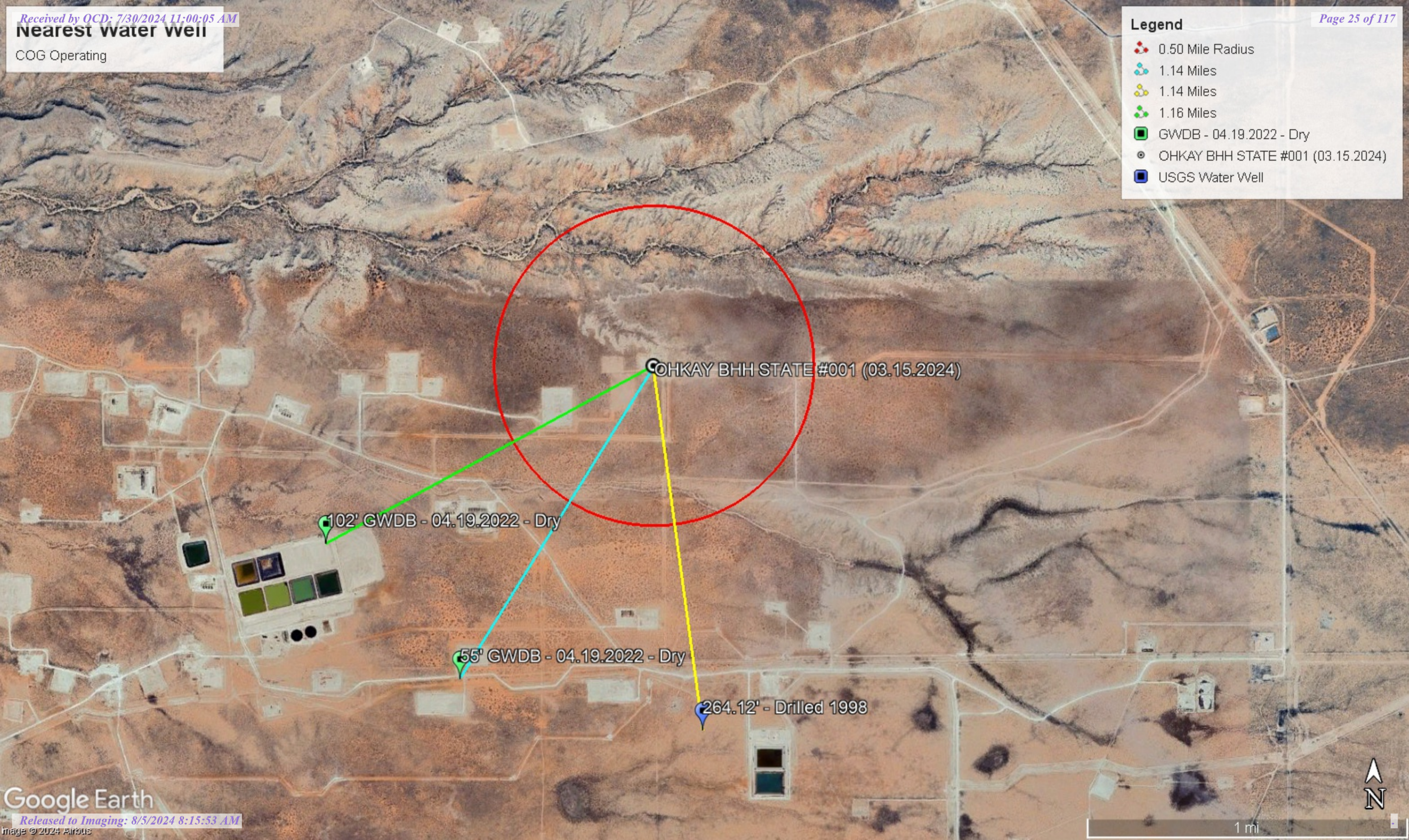


Nearest water well

COG Operating

Legend

- 0.50 Mile Radius
- 1.14 Miles
- 1.14 Miles
- 1.16 Miles
- GWDB - 04.19.2022 - Dry
- OHKAY BHH STATE #001 (03.15.2024)
- USGS Water Well



OHKAY BHH STATE #001 (03.15.2024)

102' GWDB - 04.19.2022 - Dry

55' GWDB - 04.19.2022 - Dry

264.12' - Drilled 1998



Low Karst

COG Operating

Legend

Low

Medium

OHKAY BHH STATE #001 (03.15.2024)

OHKAY BHH STATE #001 (03.15.2024)





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04608 POD1	CUB	ED		1	1	2	12	25S	29E	600080	3557719	1843	55		
C 04604 POD1	CUB	ED		1	1	3	01	25S	29E	599401	3558388	1870	102		
C 02459	C	ED		4	4	1	02	25S	29E	598422	3558663*	2691	150		
C 04529 POD1	CUB	ED		1	3	1	18	25S	30E	601077	3555733	3560			

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 601038

Northing (Y): 3559294

Radius: 4000

*UTM location was derived from PLSS - see Help

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

3/22/24 12:28 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Date

Time

?

Water-level date-time accuracy

?

Parameter code

Water level, feet below land surface

Water level, feet above specific vertical datum


Referenced vertical datum

?

S

GroundwaterNew MexicoGO

Click to hideNews Bulletins

- Explore the NEW [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

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

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320857103553301

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 320857103553301 25S.30E.07.112331

Eddy County, New Mexico
Latitude 32°08'57", Longitude 103°55'33" NAD27
Land-surface elevation 3,169 feet above NAVD88
The depth of the well is 385 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	<div>?</div> <div>Water-level date-time accuracy</div>	<div>?</div> <div>Parameter code</div>	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	<div>?</div> <div>Status</div>	<div>?</div> <div>Method of measurement</div>	<div>?</div> <div>Measuring agency</div>	<div>?</div> <div>Source of measurement</div>
1959-02-05			D62610		2903.75	NGVD29	1	Z		
1959-02-05			D62611		2905.37	NAVD88	1	Z		
1959-02-05			D72019	263.63			1	Z		
1959-03-07			D62610		2904.08	NGVD29	1	Z		
1959-03-07			D62611		2905.70	NAVD88	1	Z		
1959-03-07			D72019	263.30			1	Z		
1987-10-20			D62610		2903.13	NGVD29	1	Z		
1987-10-20			D62611		2904.75	NAVD88	1	Z		
1987-10-20			D72019	264.25			1	Z		
1992-11-06			D62610		2904.38	NGVD29	1	S		
1992-11-06			D62611		2906.00	NAVD88	1	S		
1992-11-06			D72019	263.00			1	S		
1998-01-28			D62610		2903.26	NGVD29	1	V		
1998-01-28			D62611		2904.88	NAVD88	1	V		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? S
1998-01-28	D	72019	264.12		1	V	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	V	Calibrated electric-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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[Data Tips](#)
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[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)
[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Groundwater for New Mexico: Water Levels
URL: [https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?site_no=320857103553301&agency_cd=USGS&format=html)



Page Contact Information: [New Mexico Water Data Maintainer](#)
Page Last Modified: 2024-03-22 14:34:12 EDT
0.3 0.26 nadww02



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER


www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-4608		WELL TAG ID NO. n/a		OSE FILE NO(S). POD-1				
	WELL OWNER NAME(S) Lucid Energy Delaware, LLC				PHONE (OPTIONAL)				
	WELL OWNER MAILING ADDRESS 201 S. 4th St.				CITY Artesia				
					STATE NM				
					ZIP 88210				
WELL LOCATION (FROM GPS)	DEGREES 32		MINUTES 9		SECONDS 5.31		* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
	LATITUDE		LONGITUDE		N W				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE NE NW Sec 12 T25S R29E, NMPM									
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.			
	DRILLING STARTED 04/19/2022		DRILLING ENDED 04/19/2022		DEPTH OF COMPLETED WELL (FT) temporary well material		BORE HOLE DEPTH (FT) ±55		
					DEPTH WATER FIRST ENCOUNTERED (FT) n/a				
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a		DATE STATIC MEASURED 04/19/2022, 4/26/2022	
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:								
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER – SPECIFY: Hollow Stem Auger						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)	
	FROM	TO							
				n/a					
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT			
	FROM	TO							
				n/a					

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

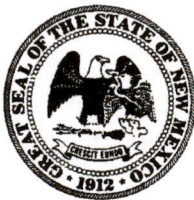
FILE NO.	C-4608	POD NO.	POD1	TRN NO.	723248
LOCATION	12 25S 29E	1-1-2	WELL TAG ID NO.	NA	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	4	4	SAND, dary, brown, poorly graded, non plastic fines, fine sand, fine grains.	Y ✓ N	
	4	19	15	SAND, well graded sand with gravel and silt, light brown color, abundant gravel	Y ✓ N	
	19	40	21	SANDSTONE, fine grains, redish brown, dry, well graded, less consolidation, we	Y ✓ N	
	40	50	10	CLAYSTONE, moist, brown-reddish in color, well graded, well sorted, abundant	Y ✓ N	
	50	55	5	CLAY, moist, dark brown color, well graded, well sorted, silt, high plasticity	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:						
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: Drilled soil boring, landed temporary well material. Removed well material and plugged boring with back fill and upper 20 feet hydrated bentonite OSE 011 MAY 9 2022 PM 1:29					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Carmelo Trevino, Cameron Pruitt						
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: <div style="display: flex; justify-content: space-between;"> <div>  SIGNATURE OF DRILLER / PRINT SIGNEE NAME </div> <div> Jackie D. Atkins DATE </div> </div>					

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	6-4608	POD NO.	POD1	TRN NO.	723248
LOCATION	12 255 299	1.1.2	WELL TAG ID NO.	NA	PAGE 2 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (SB-1)		WELL TAG ID NO.		OSE FILE NO(S). C- 04604		
	WELL OWNER NAME(S) OXY USA INC				PHONE (OPTIONAL) 575-390-2828		
	WELL OWNER MAILING ADDRESS PO BOX 4294				CITY HOUSTON	STATE TX	
					ZIP 77210		
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 9	SECONDS 27.273 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE EDDY COUNTY							
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1184		NAME OF LICENSED DRILLER RUSSELL SOUTHERLAND			NAME OF WELL DRILLING COMPANY WEST TEXAS WATER WELL SERVICE	
	DRILLING STARTED 04/13/22	DRILLING ENDED 04/19/2022	DEPTH OF COMPLETED WELL (FT) 102	BORE HOLE DEPTH (FT) 6 1/2"	DEPTH WATER FIRST ENCOUNTERED (FT) NONE		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:						
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY:						
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
				NO CASING WAS A DRY HOLE			
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT	
				N/A			

OSE OIT NOV 4 2022 2:15

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. C-4604-POD1 SB-1	POD NO. SB-1	TRN NO. 722106
LOCATION Expt 25.29.01.113	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

5. TEST; RIG SUPERVISION

6. SIGNATURE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.		PAGE 2 OF 2

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 722106
File Nbr: C 04604
Well File Nbr: C 04604 POD1

May. 04, 2022

MR. WADE DITTRICH
OXY USA INC
PO BOX 4294
HOUSTON, TX 77210

Greetings:

The above numbered permit was issued in your name on 03/24/2022.

The Well Record was received in this office on 05/04/2022, stating that it had been completed on 04/19/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 03/24/2023.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in blue ink, appearing to read "Maret Amaral".

Maret Amaral
(575) 622-6521

drywell

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 722106
File Nbr: C 04604
Well File Nbr: C 04604 POD1

May. 04, 2022

MR. BEAUX JENNINGS
ENSOLUM LLC
705 W WADLEY AVE STE 240
MIDLAND, TX 79705

Greetings:

The above numbered permit was issued in your name on 03/24/2022.

The Well Record was received in this office on 05/04/2022, stating that it had been completed on 04/19/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 03/24/2023.

If you have any questions, please feel free to contact us.

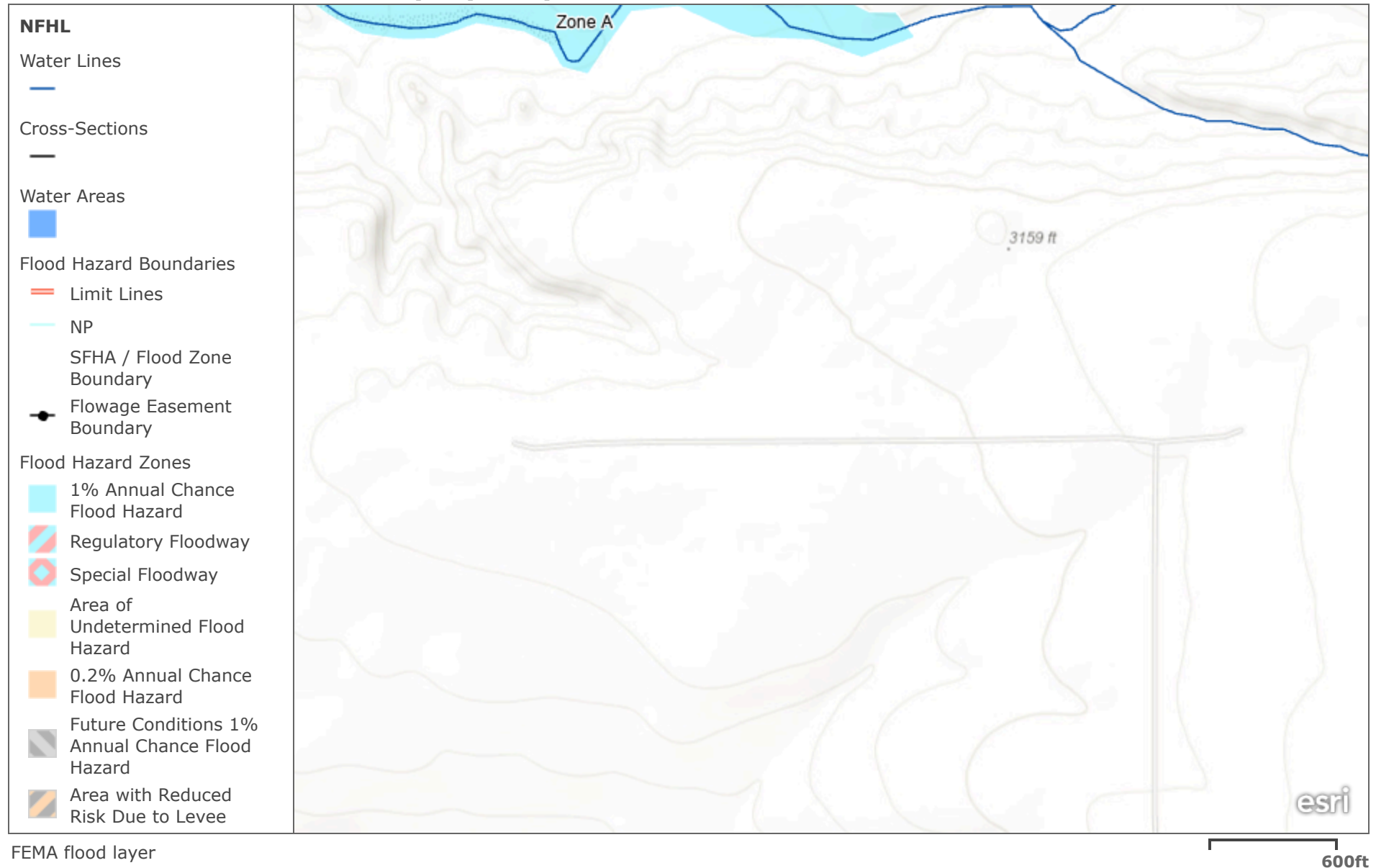
Sincerely,

A handwritten signature in blue ink, appearing to read "Maret Amaral".

Maret Amaral
(575) 622-6521

drywell

FEMA National Flood Hazard Layer (NFHL)



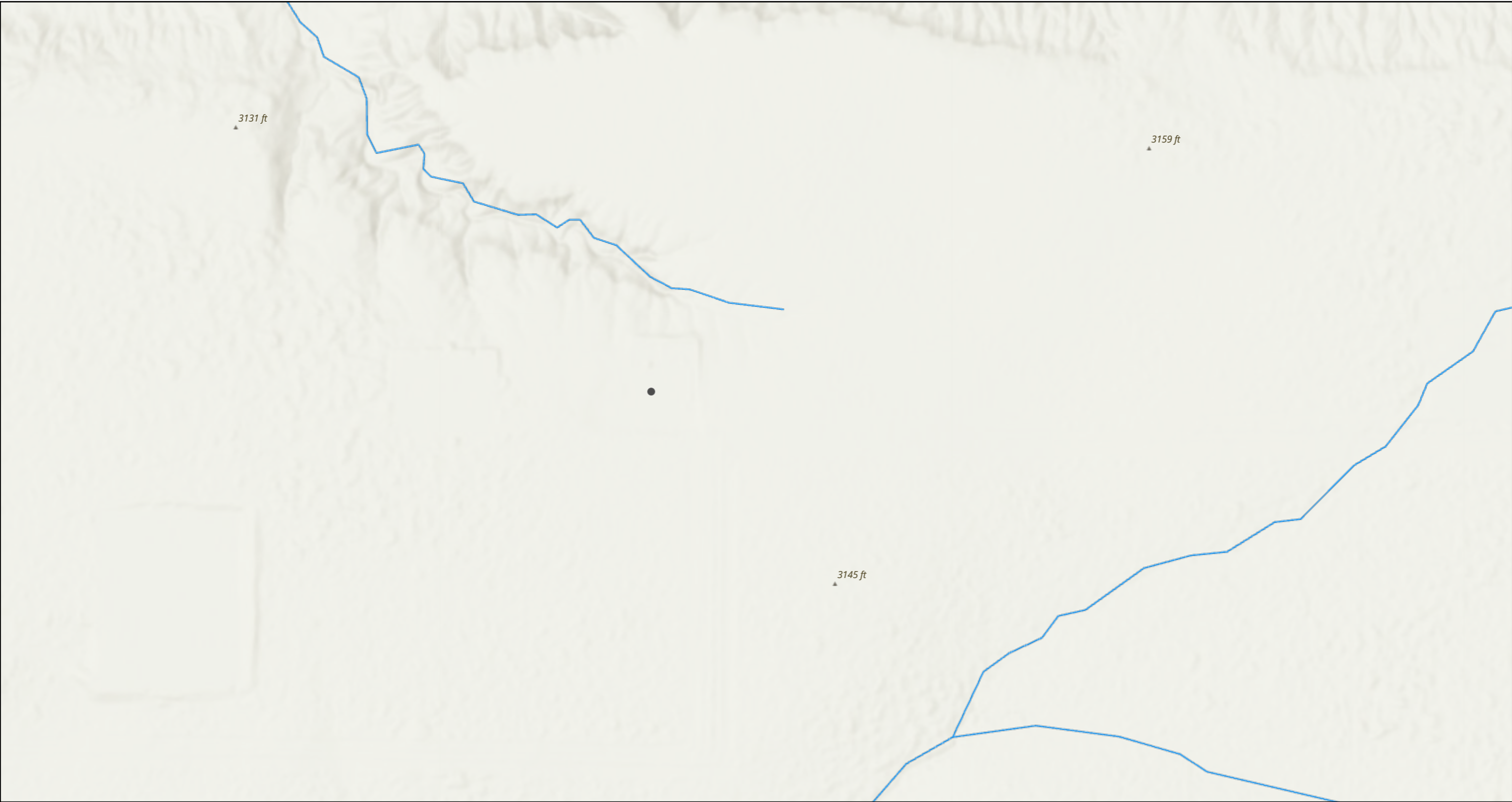
Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA

FEMA National Flood Hazard Layer (NFHL)



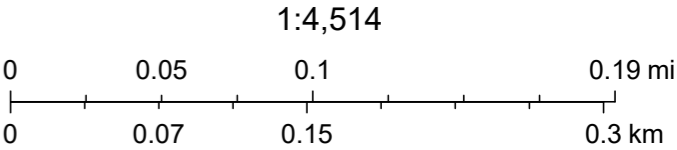
Maxar | Esri Community Maps Contributors, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

OHKAY BHH STATE #001 (03.15.2024)



3/22/2024, 1:26:11 PM

— OSE Streams



Esri Community Maps Contributors, Texas Parks & Wildlife, © OpenStreetMap, Microsoft, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Sources: Esri, Airbus DS, USGS, NGA,

APPENDIX E

CARMONA RESOURCES





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

April 05, 2024

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: OHKAY BHH STATE 1 FLARE FIRE

Enclosed are the results of analyses for samples received by the laboratory on 04/02/24 11:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/02/2024
 Reported: 04/05/2024
 Project Name: OHKAY BHH STATE 1 FLARE FIRE
 Project Number: 2259
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 1 (0-3") (H241685-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/03/2024	ND	2.12	106	2.00	6.15		
Toluene*	<0.050	0.050	04/03/2024	ND	2.08	104	2.00	6.03		
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.02	101	2.00	5.93		
Total Xylenes*	<0.150	0.150	04/03/2024	ND	5.87	97.8	6.00	6.19		
Total BTEX	<0.300	0.300	04/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	04/04/2024	ND	197	98.7	200	2.59	
DRO >C10-C28*	11100	100	04/04/2024	ND	188	94.2	200	3.15	
EXT DRO >C28-C36	2640	100	04/04/2024	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 251 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/02/2024
 Reported: 04/05/2024
 Project Name: OHKAY BHH STATE 1 FLARE FIRE
 Project Number: 2259
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 1 (6") (H241685-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2024	ND	2.12	106	2.00	6.15	
Toluene*	<0.050	0.050	04/03/2024	ND	2.08	104	2.00	6.03	
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.02	101	2.00	5.93	
Total Xylenes*	<0.150	0.150	04/03/2024	ND	5.87	97.8	6.00	6.19	
Total BTEX	<0.300	0.300	04/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2024	ND	197	98.7	200	2.59	
DRO >C10-C28*	3250	10.0	04/03/2024	ND	188	94.2	200	3.15	
EXT DRO >C28-C36	717	10.0	04/03/2024	ND					

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/02/2024
 Reported: 04/05/2024
 Project Name: OHKAY BHH STATE 1 FLARE FIRE
 Project Number: 2259
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 1 (1') (H241685-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/03/2024	ND	2.12	106	2.00	6.15		
Toluene*	<0.050	0.050	04/03/2024	ND	2.08	104	2.00	6.03		
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.02	101	2.00	5.93		
Total Xylenes*	<0.150	0.150	04/03/2024	ND	5.87	97.8	6.00	6.19		
Total BTEX	<0.300	0.300	04/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/04/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2024	ND	197	98.7	200	2.59	
DRO >C10-C28*	118	10.0	04/03/2024	ND	188	94.2	200	3.15	
EXT DRO >C28-C36	20.8	10.0	04/03/2024	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/02/2024
 Reported: 04/05/2024
 Project Name: OHKAY BHH STATE 1 FLARE FIRE
 Project Number: 2259
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 2 (0-3") (H241685-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/03/2024	ND	2.12	106	2.00	6.15		
Toluene*	<0.050	0.050	04/03/2024	ND	2.08	104	2.00	6.03		
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.02	101	2.00	5.93		
Total Xylenes*	<0.150	0.150	04/03/2024	ND	5.87	97.8	6.00	6.19		
Total BTEX	<0.300	0.300	04/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/04/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2024	ND	194	96.9	200	1.20	
DRO >C10-C28*	1180	10.0	04/03/2024	ND	204	102	200	2.64	QM-07
EXT DRO >C28-C36	505	10.0	04/03/2024	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/02/2024
 Reported: 04/05/2024
 Project Name: OHKAY BHH STATE 1 FLARE FIRE
 Project Number: 2259
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 2 (6") (H241685-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/03/2024	ND	2.12	106	2.00	6.15		
Toluene*	<0.050	0.050	04/03/2024	ND	2.08	104	2.00	6.03		
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.02	101	2.00	5.93		
Total Xylenes*	<0.150	0.150	04/03/2024	ND	5.87	97.8	6.00	6.19		
Total BTEX	<0.300	0.300	04/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/04/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2024	ND	191	95.6	200	1.61	
DRO >C10-C28*	58.5	10.0	04/03/2024	ND	189	94.3	200	0.533	
EXT DRO >C28-C36	21.1	10.0	04/03/2024	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/02/2024
 Reported: 04/05/2024
 Project Name: OHKAY BHH STATE 1 FLARE FIRE
 Project Number: 2259
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 2 (1') (H241685-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/03/2024	ND	2.12	106	2.00	6.15		
Toluene*	<0.050	0.050	04/03/2024	ND	2.08	104	2.00	6.03		
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.02	101	2.00	5.93		
Total Xylenes*	<0.150	0.150	04/03/2024	ND	5.87	97.8	6.00	6.19		
Total BTEx	<0.300	0.300	04/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/04/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2024	ND	191	95.6	200	1.61	
DRO >C10-C28*	<10.0	10.0	04/03/2024	ND	189	94.3	200	0.533	
EXT DRO >C28-C36	<10.0	10.0	04/03/2024	ND					

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/02/2024
 Reported: 04/05/2024
 Project Name: OHKAY BHH STATE 1 FLARE FIRE
 Project Number: 2259
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 (0-3") (H241685-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2024	ND	2.12	106	2.00	6.15	
Toluene*	<0.050	0.050	04/03/2024	ND	2.08	104	2.00	6.03	
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.02	101	2.00	5.93	
Total Xylenes*	<0.150	0.150	04/03/2024	ND	5.87	97.8	6.00	6.19	
Total BTEX	<0.300	0.300	04/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/04/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2024	ND	191	95.6	200	1.61	
DRO >C10-C28*	1230	10.0	04/03/2024	ND	189	94.3	200	0.533	
EXT DRO >C28-C36	387	10.0	04/03/2024	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/02/2024
 Reported: 04/05/2024
 Project Name: OHKAY BHH STATE 1 FLARE FIRE
 Project Number: 2259
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: S - 3 (6") (H241685-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2024	ND	2.12	106	2.00	6.15	
Toluene*	<0.050	0.050	04/03/2024	ND	2.08	104	2.00	6.03	
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.02	101	2.00	5.93	
Total Xylenes*	<0.150	0.150	04/03/2024	ND	5.87	97.8	6.00	6.19	
Total BTEX	<0.300	0.300	04/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/04/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2024	ND	191	95.6	200	1.61	
DRO >C10-C28*	347	10.0	04/03/2024	ND	189	94.3	200	0.533	
EXT DRO >C28-C36	119	10.0	04/03/2024	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No:

14241685

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonaresources.com

Page 1 of 1

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> RRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Iperfund
State of Project:	
Reporting Level II	<input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Ohkay BHH State 1 Flare Fire	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:	2259																None: NO	DI Water: H ₂ O			
Project Location:	Eddy County, New Mexico	Due Date:	72 HR														Cool: Cool	MeOH: Me			
Sampler's Name:	MM																HCL: HC	HNO ₃ : HN			
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₃ PO ₄ : HP			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140													NaHSO ₄ : NABIS					
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	5.72													Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:														Zn Acetate+NaOH: Zn					
Total Containers:		Corrected Temperature:														NaOH+Ascorbic Acid: SAPC					
Sample Identification		Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
S-1 (0-3")		4/2/2024		X		G	1	X	X	X											
S-1 (6")		4/2/2024		X		G	1	X	X	X											
S-1 (1')		4/2/2024		X		G	1	X	X	X											
S-2 (0-3")		4/2/2024		X		G	1	X	X	X											
S-2 (6")		4/2/2024		X		G	1	X	X	X											
S-2 (1')		4/2/2024		X		G	1	X	X	X											
S-3 (0-3")		4/2/2024		X		G	1	X	X	X											
S-3 (6")		4/2/2024		X		G	1	X	X	X											

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Date/Time
Shawn M		4/2/24 11:30	Shawn M		



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

April 05, 2024

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: OHKAY BHH STATE 1 FLARE FIRE

Enclosed are the results of analyses for samples received by the laboratory on 04/02/24 11:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/02/2024
 Reported: 04/05/2024
 Project Name: OHKAY BHH STATE 1 FLARE FIRE
 Project Number: 2259
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 1 (0-0.5') (H241684-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2024	ND	2.12	106	2.00	6.15	
Toluene*	<0.050	0.050	04/03/2024	ND	2.08	104	2.00	6.03	
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.02	101	2.00	5.93	
Total Xylenes*	<0.150	0.150	04/03/2024	ND	5.87	97.8	6.00	6.19	
Total BTX	<0.300	0.300	04/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/04/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2024	ND	197	98.7	200	2.59	
DRO >C10-C28*	<10.0	10.0	04/03/2024	ND	188	94.2	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	04/03/2024	ND					

Surrogate: 1-Chlorooctane 74.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/02/2024
 Reported: 04/05/2024
 Project Name: OHKAY BHH STATE 1 FLARE FIRE
 Project Number: 2259
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 2 (0-0.5') (H241684-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/03/2024	ND	2.12	106	2.00	6.15		
Toluene*	<0.050	0.050	04/03/2024	ND	2.08	104	2.00	6.03		
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.02	101	2.00	5.93		
Total Xylenes*	<0.150	0.150	04/03/2024	ND	5.87	97.8	6.00	6.19		
Total BTEX	<0.300	0.300	04/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2024	ND	197	98.7	200	2.59	
DRO >C10-C28*	<10.0	10.0	04/03/2024	ND	188	94.2	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	04/03/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/02/2024
 Reported: 04/05/2024
 Project Name: OHKAY BHH STATE 1 FLARE FIRE
 Project Number: 2259
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 3 (0-0.5') (H241684-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/03/2024	ND	2.12	106	2.00	6.15		
Toluene*	<0.050	0.050	04/03/2024	ND	2.08	104	2.00	6.03		
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.02	101	2.00	5.93		
Total Xylenes*	<0.150	0.150	04/03/2024	ND	5.87	97.8	6.00	6.19		
Total BTEX	<0.300	0.300	04/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2024	ND	197	98.7	200	2.59	
DRO >C10-C28*	<10.0	10.0	04/03/2024	ND	188	94.2	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	04/03/2024	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/02/2024
 Reported: 04/05/2024
 Project Name: OHKAY BHH STATE 1 FLARE FIRE
 Project Number: 2259
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 4 (0-0.5') (H241684-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/03/2024	ND	2.12	106	2.00	6.15		
Toluene*	<0.050	0.050	04/03/2024	ND	2.08	104	2.00	6.03		
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.02	101	2.00	5.93		
Total Xylenes*	<0.150	0.150	04/03/2024	ND	5.87	97.8	6.00	6.19		
Total BTEX	<0.300	0.300	04/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2024	ND	197	98.7	200	2.59	
DRO >C10-C28*	<10.0	10.0	04/04/2024	ND	188	94.2	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	04/04/2024	ND					

Surrogate: 1-Chlorooctane 65.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/02/2024
 Reported: 04/05/2024
 Project Name: OHKAY BHH STATE 1 FLARE FIRE
 Project Number: 2259
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 5 (0-0.5') (H241684-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2024	ND	2.12	106	2.00	6.15	
Toluene*	<0.050	0.050	04/03/2024	ND	2.08	104	2.00	6.03	
Ethylbenzene*	<0.050	0.050	04/03/2024	ND	2.02	101	2.00	5.93	
Total Xylenes*	<0.150	0.150	04/03/2024	ND	5.87	97.8	6.00	6.19	
Total BTEX	<0.300	0.300	04/03/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	04/04/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2024	ND	197	98.7	200	2.59	
DRO >C10-C28*	<10.0	10.0	04/03/2024	ND	188	94.2	200	3.15	
EXT DRO >C28-C36	<10.0	10.0	04/03/2024	ND					

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: HA411084

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonaresources.com

Page <u>1</u> of <u>1</u>	
Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> ROW/Fields <input type="checkbox"/> RC <input type="checkbox"/> Perturb <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Ohkay BHH State 1 Flare Fire	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	2259																None: NO	DI Water: H ₂ O	
Project Location:	Eddy County, New Mexico	Due Date:	72 HR														Cool: Cool	MeOH: Me	
Sampler's Name:	MM																HCL: HC	HNO ₃ : HN	
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na	
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters												H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140			BTEX 8021B												NaHSO ₄ : NABIS	
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:				TPH 8015M (GRO + DRO + MRO)												Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	5.7°C			Chloride 4500												Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:																NaOH+Ascorbic Acid: S APC	
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments
H-1 (0-0.5')	4/2/2024		X		G	1	X	X	X	X								1	
H-2 (0-0.5')	4/2/2024		X		G	1	X	X	X	X								2	
H-3 (0-0.5')	4/2/2024		X		G	1	X	X	X	X								3	
H-4 (0-0.5')	4/2/2024		X		G	1	X	X	X	X								4	
H-5 (0-0.5')	4/2/2024		X		G	1	X	X	X	X								5	

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<u>Handwritten Signature</u>	4/2/24 11:30	<u>Handwritten Signature</u>	



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

April 22, 2024

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: OHKAY BHH STATE #001 (03.15.24)

Enclosed are the results of analyses for samples received by the laboratory on 04/19/24 14:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 1 (0.5') (H242116-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	2.17	108	2.00	4.09	
Toluene*	<0.050	0.050	04/19/2024	ND	2.10	105	2.00	3.93	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.05	103	2.00	3.78	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.00	100	6.00	3.84	
Total BTX	<0.300	0.300	04/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	204	102	200	3.10	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	188	93.8	200	6.19	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 74.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 2 (0.5') (H242116-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.17	108	2.00	4.09		
Toluene*	<0.050	0.050	04/19/2024	ND	2.10	105	2.00	3.93		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.05	103	2.00	3.78		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.00	100	6.00	3.84		
Total BTEX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	204	102	200	3.10	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	188	93.8	200	6.19	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 74.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.1 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 3 (0.5') (H242116-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.17	108	2.00	4.09		
Toluene*	<0.050	0.050	04/19/2024	ND	2.10	105	2.00	3.93		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.05	103	2.00	3.78		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.00	100	6.00	3.84		
Total BTEX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	204	102	200	3.10	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	188	93.8	200	6.19	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 76.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.2 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 4 (0.5') (H242116-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.17	108	2.00	4.09		
Toluene*	<0.050	0.050	04/19/2024	ND	2.10	105	2.00	3.93		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.05	103	2.00	3.78		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.00	100	6.00	3.84		
Total BTEX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	204	102	200	3.10	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	188	93.8	200	6.19	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 74.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 5 (0.5') (H242116-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.17	108	2.00	4.09		
Toluene*	<0.050	0.050	04/19/2024	ND	2.10	105	2.00	3.93		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.05	103	2.00	3.78		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.00	100	6.00	3.84		
Total BTX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	204	102	200	3.10	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	188	93.8	200	6.19	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 6 (0.5') (H242116-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.17	108	2.00	4.09		
Toluene*	<0.050	0.050	04/19/2024	ND	2.10	105	2.00	3.93		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.05	103	2.00	3.78		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.00	100	6.00	3.84		
Total BTEX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	204	102	200	3.10	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	188	93.8	200	6.19	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 79.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 7 (0.5') (H242116-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.17	108	2.00	4.09		
Toluene*	<0.050	0.050	04/19/2024	ND	2.10	105	2.00	3.93		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.05	103	2.00	3.78		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.00	100	6.00	3.84		
Total BTEX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	204	102	200	3.10	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	188	93.8	200	6.19	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 65.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.3 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 8 (1.5') (H242116-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.17	108	2.00	4.09		
Toluene*	<0.050	0.050	04/19/2024	ND	2.10	105	2.00	3.93		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.05	103	2.00	3.78		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.00	100	6.00	3.84		
Total BTEX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	204	102	200	3.10	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	188	93.8	200	6.19	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.3 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 9 (1.5') (H242116-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.17	108	2.00	4.09		
Toluene*	<0.050	0.050	04/19/2024	ND	2.10	105	2.00	3.93		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.05	103	2.00	3.78		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.00	100	6.00	3.84		
Total BTEX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	204	102	200	3.10	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	188	93.8	200	6.19	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 74.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 10 (1.5') (H242116-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.17	108	2.00	4.09		
Toluene*	<0.050	0.050	04/19/2024	ND	2.10	105	2.00	3.93		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.05	103	2.00	3.78		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.00	100	6.00	3.84		
Total BTEX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	204	102	200	3.10	
DRO >C10-C28*	23.2	10.0	04/19/2024	ND	188	93.8	200	6.19	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 74.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 11 (1.5') (H242116-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.17	108	2.00	4.09		
Toluene*	<0.050	0.050	04/19/2024	ND	2.10	105	2.00	3.93		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.05	103	2.00	3.78		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.00	100	6.00	3.84		
Total BTEX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2024	ND	204	102	200	3.10	
DRO >C10-C28*	<10.0	10.0	04/20/2024	ND	188	93.8	200	6.19	
EXT DRO >C28-C36	<10.0	10.0	04/20/2024	ND					

Surrogate: 1-Chlorooctane 64.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.2 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 12 (1.5') (H242116-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.17	108	2.00	4.09		
Toluene*	<0.050	0.050	04/19/2024	ND	2.10	105	2.00	3.93		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.05	103	2.00	3.78		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.00	100	6.00	3.84		
Total BTEX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2024	ND	204	102	200	3.10	
DRO >C10-C28*	<10.0	10.0	04/20/2024	ND	188	93.8	200	6.19	
EXT DRO >C28-C36	<10.0	10.0	04/20/2024	ND					

Surrogate: 1-Chlorooctane 74.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.3 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 1 (0.5') (H242116-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.17	108	2.00	4.09		
Toluene*	<0.050	0.050	04/19/2024	ND	2.10	105	2.00	3.93		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.05	103	2.00	3.78		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.00	100	6.00	3.84		
Total BTEX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2024	ND	204	102	200	3.10	
DRO >C10-C28*	<10.0	10.0	04/20/2024	ND	188	93.8	200	6.19	
EXT DRO >C28-C36	<10.0	10.0	04/20/2024	ND					

Surrogate: 1-Chlorooctane 65.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.5 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 2 (0.5') (H242116-14)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.17	108	2.00	4.09		
Toluene*	<0.050	0.050	04/19/2024	ND	2.10	105	2.00	3.93		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.05	103	2.00	3.78		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.00	100	6.00	3.84		
Total BTX	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2024	ND	204	102	200	3.10	
DRO >C10-C28*	<10.0	10.0	04/20/2024	ND	188	93.8	200	6.19	
EXT DRO >C28-C36	<10.0	10.0	04/20/2024	ND					

Surrogate: 1-Chlorooctane 63.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 3 (0.5') (H242116-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	2.17	108	2.00	4.09	
Toluene*	<0.050	0.050	04/19/2024	ND	2.10	105	2.00	3.93	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.05	103	2.00	3.78	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.00	100	6.00	3.84	
Total BTEX	<0.300	0.300	04/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/22/2024	ND	480	120	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2024	ND	204	102	200	3.10	
DRO >C10-C28*	<10.0	10.0	04/20/2024	ND	188	93.8	200	6.19	
EXT DRO >C28-C36	<10.0	10.0	04/20/2024	ND					

Surrogate: 1-Chlorooctane 78.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.1 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 4 (1') (H242116-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	2.17	108	2.00	4.09	
Toluene*	<0.050	0.050	04/19/2024	ND	2.10	105	2.00	3.93	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.05	103	2.00	3.78	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.00	100	6.00	3.84	
Total BTEX	<0.300	0.300	04/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/20/2024	ND	204	102	200	3.10	
DRO >C10-C28*	<10.0	10.0	04/20/2024	ND	188	93.8	200	6.19	
EXT DRO >C28-C36	<10.0	10.0	04/20/2024	ND					

Surrogate: 1-Chlorooctane 65.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.0 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 5 (0.5') (H242116-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.17	108	2.00	4.09		
Toluene*	<0.050	0.050	04/19/2024	ND	2.10	105	2.00	3.93		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.05	103	2.00	3.78		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.00	100	6.00	3.84		
Total BTEx	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	206	103	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	217	108	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 6 (0.5') (H242116-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.17	108	2.00	4.09		
Toluene*	<0.050	0.050	04/19/2024	ND	2.10	105	2.00	3.93		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.05	103	2.00	3.78		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.00	100	6.00	3.84		
Total BTEx	<0.300	0.300	04/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	206	103	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	217	108	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 7 (1.5') (H242116-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	1.57		
Toluene*	<0.050	0.050	04/19/2024	ND	2.15	107	2.00	1.58		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.08	104	2.00	1.54		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.29	105	6.00	1.23		
Total BTEX	<0.300	0.300	04/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	206	103	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	217	108	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 8 (1.5') (H242116-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	1.57		
Toluene*	<0.050	0.050	04/19/2024	ND	2.15	107	2.00	1.58		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.08	104	2.00	1.54		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.29	105	6.00	1.23		
Total BTEX	<0.300	0.300	04/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	206	103	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	217	108	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 9 (1.5') (H242116-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	1.57		
Toluene*	<0.050	0.050	04/19/2024	ND	2.15	107	2.00	1.58		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.08	104	2.00	1.54		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.29	105	6.00	1.23		
Total BTEX	<0.300	0.300	04/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	206	103	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	217	108	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 10 (1.5') (H242116-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	1.57		
Toluene*	<0.050	0.050	04/19/2024	ND	2.15	107	2.00	1.58		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.08	104	2.00	1.54		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.29	105	6.00	1.23		
Total BTEX	<0.300	0.300	04/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	206	103	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	217	108	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.9 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 11 (1.5') (H242116-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	1.57		
Toluene*	<0.050	0.050	04/19/2024	ND	2.15	107	2.00	1.58		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.08	104	2.00	1.54		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.29	105	6.00	1.23		
Total BTEX	<0.300	0.300	04/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	206	103	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	217	108	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.4 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 12 (1.5') (H242116-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	1.57		
Toluene*	<0.050	0.050	04/19/2024	ND	2.15	107	2.00	1.58		
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.08	104	2.00	1.54		
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.29	105	6.00	1.23		
Total BTEX	<0.300	0.300	04/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	206	103	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	217	108	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 13 (1.5') (H242116-25)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	1.57	
Toluene*	<0.050	0.050	04/19/2024	ND	2.15	107	2.00	1.58	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.08	104	2.00	1.54	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.29	105	6.00	1.23	
Total BTEX	<0.300	0.300	04/19/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	206	103	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	217	108	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 14 (1.5') (H242116-26)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	1.57	
Toluene*	<0.050	0.050	04/19/2024	ND	2.15	107	2.00	1.58	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.08	104	2.00	1.54	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.29	105	6.00	1.23	
Total BTEx	<0.300	0.300	04/19/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	206	103	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	217	108	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

CARMONA RESOURCES
 CONNER MOEHRING
 310 W WALL ST, SUITE 500
 MIDLAND TX, 79701
 Fax To:

Received: 04/19/2024
 Reported: 04/22/2024
 Project Name: OHKAY BHH STATE #001 (03.15.24)
 Project Number: 2315
 Project Location: EDDY COUNTY, NEW MEXICO

Sampling Date: 04/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 15 (1.5') (H242116-27)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2024	ND	2.14	107	2.00	1.57	
Toluene*	<0.050	0.050	04/19/2024	ND	2.15	107	2.00	1.58	
Ethylbenzene*	<0.050	0.050	04/19/2024	ND	2.08	104	2.00	1.54	
Total Xylenes*	<0.150	0.150	04/19/2024	ND	6.29	105	6.00	1.23	
Total BTEX	<0.300	0.300	04/19/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/22/2024	ND	480	120	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2024	ND	206	103	200	4.82	
DRO >C10-C28*	<10.0	10.0	04/19/2024	ND	217	108	200	5.39	
EXT DRO >C28-C36	<10.0	10.0	04/19/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No:

H34216

Page 30 of 32

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonaresources.com

Page 1 of 3

Work Order Comments

Program: UST/PT ☐ RP ☐ Rowfields ☐ RC ☐ perfund ☐

State of Project:

Reporting Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐

Deliverables: EDD ☐ ADAPT ☐ Other: _____

Project Name:			Onkay Bldg State #001 (03.15.24)			Turn Around		ANALYSIS REQUEST																Preservative Codes									
Project Number:			2315			<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush														None; NO		DI Water: H ₂ O											
Project Location			Eddy County, New Mexico			Due Date:		24 HR												Cool: Cool		MeOH: Me											
Sampler's Name:			DD																	HCL: HC		HNO ₃ : HN											
PO #:																				H ₂ S0 ₄ : H ₂		NaOH: Na											
SAMPLE RECEIPT						Temp Blank:		Yes No		Wet Ice:		Yes No		Parameters																			
Received Intact:						(Yes) No		Thermometer ID:				140		BTX 8021B																			
Cooler Custody Seals:						Yes No		Correction Factor:						TPH 8015M (GRO + DRO + MRO)																			
Sample Custody Seals:						Yes No		Temperature Reading:				17.7		Chloride 4500																			
Total Containers:								Corrected Temperature:																									
Sample Identification				Date		Time		Soil		Water		Grab/ Comp		# of Cont																		Sample Comments	
CS-1 (0.5')				4/18/2024				X				C		1		X X X X																	
CS-2 (0.5')				4/18/2024				X				C		1		X X X X																	
CS-3 (0.5')				4/18/2024				X				C		1		X X X X																	
CS-4 (0.5')				4/18/2024				X				C		1		X X X X																	
CS-5 (0.5')				4/18/2024				X				C		1		X X X X																	
CS-6 (0.5')				4/18/2024				X				C		1		X X X X																	
CS-7 (0.5')				4/18/2024				X				C		1		X X X X																	
CS-8 (1.5')				4/18/2024				X				C		1		X X X X																	
CS-9 (1.5')				4/18/2024				X				C		1		X X X X																	
CS-10 (1.5')				4/18/2024				X				C		1		X X X X																	

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	4-19-24 1425		

Chain of Custody

Work Order No:

4242116

Page 2 of 3

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Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonaresources.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Rowfields <input type="checkbox"/> JRC <input type="checkbox"/> Iperfund
State of Project:	
Reporting Level II	<input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Ohkey BHH State #001 (03.15.24)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:	2315	Due Date:	24 HR														None: NO DI Water: H ₂ O				
Project Location:	Eddy County, New Mexico																Cool: Cool MeOH: Me				
Sampler's Name:	DD																HCL: HC HNO ₃ : HN				
PO #:																	H ₂ SO ₄ : H ₂ NaOH: Na				
SAMPLE RECEIPT				Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters												H ₃ PO ₄ : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140													NaHSO ₄ : NABIS					
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	1.72													Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	1.72													Zn Acetate+NaOH: Zn					
Total Containers:		Corrected Temperature:														NaOH+Ascorbic Acid: SAPC					
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments		
CS-11 (1.5')	4/18/2024		X		C	1	X	X	X												
CS-12 (1.5')	4/18/2024		X		C	1	X	X	X												
SW-1 (0.5')	4/18/2024		X		C	1	X	X	X												
SW-2 (0.5')	4/18/2024		X		C	1	X	X	X												
SW-3 (0.5')	4/18/2024		X		C	1	X	X	X												
SW-4 (1')	4/18/2024		X		C	1	X	X	X												
SW-5 (0.5')	4/18/2024		X		C	1	X	X	X												
SW-6 (0.5')	4/18/2024		X		C	1	X	X	X												
SW-7 (1.5')	4/18/2024		X		C	1	X	X	X												
SW-8 (1.5')	4/18/2024		X		C	1	X	X	X												

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>John T. Davis</i>	4/19/24 1425	<i>Conner Moehring</i>	

Chain of Custody

Work Order No:

HA42116

Page 3 of 3

Project Manager:	Conner Moehring	Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources	Company Name:	
Address:	310 W Wall St Ste 500	Address:	
City, State ZIP:	Midland, TX 79701	City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonaresources.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RC <input type="checkbox"/> Iperfund
State of Project:	
Reporting Level II	<input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> PRP <input type="checkbox"/> Level IV
Deliverables: EDD	<input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Ohkay BHH State #001 (03.15.24)	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Press. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:	2315	Due Date:	24 HR														None: NO	DI Water: H ₂ O			
Project Location:	Eddy County, New Mexico																Cool: Cool	MeOH: Me			
Sampler's Name:	DD																HCL: HC	HNO ₃ : HN			
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT				Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters												H ₃ PO ₄ : HP	
Received intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140													NaHSO ₄ : NABIS					
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	1.72													Na ₂ S ₂ O ₃ : NaSO ₃					
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:														Zn Acetate+NaOH: Zn					
Total Containers:		Corrected Temperature:														NaOH+Ascorbic Acid: SAPC					
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments		
SW-9 (1.5')	4/18/2024		X		C	1	X	X	X												
SW-10 (1.5')	4/18/2024		X		C	1	X	X	X												
SW-11 (1.5')	4/18/2024		X		C	1	X	X	X												
SW-12 (1.5')	4/18/2024		X		C	1	X	X	X												
SW-13 (1.5')	4/18/2024		X		C	1	X	X	X												
SW-14 (1.5')	4/18/2024		X		C	1	X	X	X												
SW-15 (1.5')	4/18/2024		X		C	1	X	X	X												

Comments: Email to Mike Carmona / mcarmona@carmonaresources.com and Conner Moehring / cmoehring@carmonaresources.com

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>John T. Davis</i>	4-19-24 MRS	<i>Conner Moehring</i>	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/22/2024 3:25:01 PM

JOB DESCRIPTION

Ohkay BHH #001 (03.15.24)
Eddy County, New Mexico

JOB NUMBER

880-46235-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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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



Generated
7/22/2024 3:25:01 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Carmona Resources
Project/Site: Ohkay BHH #001 (03.15.24)

Laboratory Job ID: 880-46235-1
SDG: Eddy County, New Mexico

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Definitions/Glossary

Client: Carmona Resources
Project/Site: Ohkay BHH #001 (03.15.24)

Job ID: 880-46235-1
SDG: Eddy County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
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.
α	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: Ohkay BHH #001 (03.15.24)

Job ID: 880-46235-1

Job ID: 880-46235-1

Eurofins Midland

Job Narrative 880-46235-1

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 sample was received on 7/19/2024 2:04 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -2.3°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: MEC Pit (CO-1139-0) (880-46235-1).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-86179 and analytical batch 880-86125 was outside the upper control limits.

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 880-86109 and analytical batch 880-86152 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: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: MEC Pit (CO-1139-0) (880-46235-1), (CCV 880-86152/6) and (890-6942-A-1-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (CCV 880-86152/31), (890-6942-A-1-B MS) and (890-6942-A-1-C MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The RPD of the laboratory control sample duplicate (LCSD) for preparation batch 880-86109 and analytical batch 880-86152 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28).

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-86152 recovered above the upper control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-86152/21).

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 and precision for preparation batch 880-86192 and analytical batch 880-86197 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Eurofins Midland

Client Sample Results

Client: Carmona Resources
Project/Site: Ohkay BHH #001 (03.15.24)

Job ID: 880-46235-1
SDG: Eddy County, New Mexico

Client Sample ID: MEC Pit (CO-1139-0)

Lab Sample ID: 880-46235-1

Date Collected: 07/18/24 00:00

Matrix: Solid

Date Received: 07/19/24 14:04

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		07/19/24 15:30	07/19/24 17:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/19/24 15:30	07/19/24 17:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/19/24 15:30	07/19/24 17:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		07/19/24 15:30	07/19/24 17:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/19/24 15:30	07/19/24 17:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		07/19/24 15:30	07/19/24 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	07/19/24 15:30	07/19/24 17:04	1
1,4-Difluorobenzene (Surr)	87		70 - 130	07/19/24 15:30	07/19/24 17:04	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			07/19/24 17:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			07/19/24 21:11	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	<50.5	U	50.5		mg/Kg		07/18/24 16:50	07/19/24 21:11	1
Diesel Range Organics (Over C10-C28)	<50.5	U *1	50.5		mg/Kg		07/18/24 16:50	07/19/24 21:11	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		07/18/24 16:50	07/19/24 21:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	68	S1-	70 - 130	07/18/24 16:50	07/19/24 21:11	1
o-Terphenyl	60	S1-	70 - 130	07/18/24 16:50	07/19/24 21:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.2		5.03		mg/Kg			07/20/24 05:39	1

Surrogate Summary

Client: Carmona Resources
Project/Site: Ohkay BHH #001 (03.15.24)

Job ID: 880-46235-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)
Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-46235-1	MEC Pit (CO-1139-0)	93	87
885-8222-A-34-C MS	Matrix Spike	87	90
885-8222-A-34-D MSD	Matrix Spike Duplicate	100	104
LCS 880-86179/1-A	Lab Control Sample	101	102
LCSD 880-86179/2-A	Lab Control Sample Dup	101	109
MB 880-86179/5-A	Method Blank	67 S1-	91
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)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-46235-1	MEC Pit (CO-1139-0)	68 S1-	60 S1-
890-6942-A-1-B MS	Matrix Spike	76	63 S1-
890-6942-A-1-C MSD	Matrix Spike Duplicate	80	67 S1-
LCS 880-86109/2-A	Lab Control Sample	83	70
LCSD 880-86109/3-A	Lab Control Sample Dup	125	107
MB 880-86109/1-A	Method Blank	116	112
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Carmona Resources
Project/Site: Ohkay BHH #001 (03.15.24)

Job ID: 880-46235-1
SDG: Eddy County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-86179/5-A
Matrix: Solid
Analysis Batch: 86125

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86179

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/19/24 13:09	07/19/24 16:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/19/24 13:09	07/19/24 16:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/19/24 13:09	07/19/24 16:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/19/24 13:09	07/19/24 16:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/19/24 13:09	07/19/24 16:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/19/24 13:09	07/19/24 16:01	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	67	S1-	70 - 130				07/19/24 13:09	07/19/24 16:01	1
1,4-Difluorobenzene (Surr)	91		70 - 130				07/19/24 13:09	07/19/24 16:01	1

Lab Sample ID: LCS 880-86179/1-A
Matrix: Solid
Analysis Batch: 86125

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86179

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1026		mg/Kg		103	70 - 130
Toluene	0.100	0.09500		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.1209		mg/Kg		121	70 - 130
m-Xylene & p-Xylene	0.200	0.2219		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1029		mg/Kg		103	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	101		70 - 130				
1,4-Difluorobenzene (Surr)	102		70 - 130				

Lab Sample ID: LCSD 880-86179/2-A
Matrix: Solid
Analysis Batch: 86125

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 86179

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09709		mg/Kg		97	70 - 130	6	35
Toluene	0.100	0.09379		mg/Kg		94	70 - 130	1	35
Ethylbenzene	0.100	0.1076		mg/Kg		108	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.2005		mg/Kg		100	70 - 130	10	35
o-Xylene	0.100	0.09333		mg/Kg		93	70 - 130	10	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	101		70 - 130						
1,4-Difluorobenzene (Surr)	109		70 - 130						

Lab Sample ID: 885-8222-A-34-C MS
Matrix: Solid
Analysis Batch: 86125

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 86179

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00202	U	0.100	0.07388		mg/Kg		74	70 - 130
Toluene	<0.00202	U	0.100	0.08738		mg/Kg		87	70 - 130

Eurofins Midland

QC Sample Results

Client: Carmona Resources
Project/Site: Ohkay BHH #001 (03.15.24)

Job ID: 880-46235-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: 885-8222-A-34-C MS
Matrix: Solid
Analysis Batch: 86125

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 86179

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00202	U	0.100	0.09924		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	<0.00404	U	0.200	0.1741		mg/Kg		87	70 - 130
o-Xylene	<0.00202	U	0.100	0.08004		mg/Kg		80	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	87		70 - 130						
1,4-Difluorobenzene (Surr)	90		70 - 130						

Lab Sample ID: 885-8222-A-34-D MSD
Matrix: Solid
Analysis Batch: 86125

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 86179

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.08595		mg/Kg		86	70 - 130	15	35
Toluene	<0.00202	U	0.100	0.08748		mg/Kg		87	70 - 130	0	35
Ethylbenzene	<0.00202	U	0.100	0.1002		mg/Kg		100	70 - 130	1	35
m-Xylene & p-Xylene	<0.00404	U	0.200	0.1863		mg/Kg		93	70 - 130	7	35
o-Xylene	<0.00202	U	0.100	0.08682		mg/Kg		87	70 - 130	8	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	100		70 - 130								
1,4-Difluorobenzene (Surr)	104		70 - 130								

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

Lab Sample ID: MB 880-86109/1-A
Matrix: Solid
Analysis Batch: 86152

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 86109

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		07/18/24 16:50	07/19/24 10:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		07/18/24 16:50	07/19/24 10:39	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/18/24 16:50	07/19/24 10:39	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
1-Chlorooctane	116		70 - 130						
o-Terphenyl	112		70 - 130						

Lab Sample ID: LCS 880-86109/2-A
Matrix: Solid
Analysis Batch: 86152

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86109

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	894.0		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	726.9		mg/Kg		73	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Ohkay BHH #001 (03.15.24)

Job ID: 880-46235-1
SDG: Eddy County, New Mexico

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

Lab Sample ID: LCS 880-86109/2-A
Matrix: Solid
Analysis Batch: 86152

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 86109

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	70		70 - 130

Lab Sample ID: LCSD 880-86109/3-A
Matrix: Solid
Analysis Batch: 86152

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 86109

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	979.1		mg/Kg		98	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	1000	1084	*1	mg/Kg		108	70 - 130	39	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	125		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 890-6942-A-1-B MS
Matrix: Solid
Analysis Batch: 86152

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 86109

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F1	994	612.5	F1	mg/Kg		62	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U F1 *1	994	558.8	F1	mg/Kg		56	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	76		70 - 130
o-Terphenyl	63	S1-	70 - 130

Lab Sample ID: 890-6942-A-1-C MSD
Matrix: Solid
Analysis Batch: 86152

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 86109

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	<49.8	U F1	994	633.8	F1	mg/Kg		64	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.8	U F1 *1	994	588.4	F1	mg/Kg		59	70 - 130	5	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	80		70 - 130
o-Terphenyl	67	S1-	70 - 130

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QC Sample Results

Client: Carmona Resources
Project/Site: Ohkay BHH #001 (03.15.24)

Job ID: 880-46235-1
SDG: Eddy County, New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-86192/1-A Matrix: Solid Analysis Batch: 86197										Client Sample ID: Method Blank Prep Type: Soluble	
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<5.00	U	5.00		mg/Kg			07/20/24 03:50	1		

Lab Sample ID: LCS 880-86192/2-A Matrix: Solid Analysis Batch: 86197										Client Sample ID: Lab Control Sample Prep Type: Soluble	
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	239.1		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-86192/3-A Matrix: Solid Analysis Batch: 86197										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	239.3		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 880-46229-A-1-E MS Matrix: Solid Analysis Batch: 86197										Client Sample ID: Matrix Spike Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	212	F1	253	496.3	F1	mg/Kg		113	90 - 110		

Lab Sample ID: 880-46229-A-1-F MSD Matrix: Solid Analysis Batch: 86197										Client Sample ID: Matrix Spike Duplicate Prep Type: Soluble	
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	212	F1	253	496.7	F1	mg/Kg		113	90 - 110	0	20

QC Association Summary

Client: Carmona Resources
Project/Site: Ohkay BHH #001 (03.15.24)

Job ID: 880-46235-1
SDG: Eddy County, New Mexico

GC VOA

Analysis Batch: 86125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46235-1	MEC Pit (CO-1139-0)	Total/NA	Solid	8021B	86179
MB 880-86179/5-A	Method Blank	Total/NA	Solid	8021B	86179
LCS 880-86179/1-A	Lab Control Sample	Total/NA	Solid	8021B	86179
LCSD 880-86179/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	86179
885-8222-A-34-C MS	Matrix Spike	Total/NA	Solid	8021B	86179
885-8222-A-34-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	86179

Prep Batch: 86179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46235-1	MEC Pit (CO-1139-0)	Total/NA	Solid	5035	
MB 880-86179/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-86179/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-86179/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
885-8222-A-34-C MS	Matrix Spike	Total/NA	Solid	5035	
885-8222-A-34-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 86303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46235-1	MEC Pit (CO-1139-0)	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 86109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46235-1	MEC Pit (CO-1139-0)	Total/NA	Solid	8015NM Prep	
MB 880-86109/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-86109/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-86109/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6942-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-6942-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 86152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46235-1	MEC Pit (CO-1139-0)	Total/NA	Solid	8015B NM	86109
MB 880-86109/1-A	Method Blank	Total/NA	Solid	8015B NM	86109
LCS 880-86109/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	86109
LCSD 880-86109/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	86109
890-6942-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	86109
890-6942-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	86109

Analysis Batch: 86284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46235-1	MEC Pit (CO-1139-0)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 86192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46235-1	MEC Pit (CO-1139-0)	Soluble	Solid	DI Leach	
MB 880-86192/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-86192/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-86192/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: Carmona Resources
Project/Site: Ohkay BHH #001 (03.15.24)

Job ID: 880-46235-1
SDG: Eddy County, New Mexico

HPLC/IC (Continued)

Leach Batch: 86192 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46229-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-46229-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 86197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-46235-1	MEC Pit (CO-1139-0)	Soluble	Solid	300.0	86192
MB 880-86192/1-A	Method Blank	Soluble	Solid	300.0	86192
LCS 880-86192/2-A	Lab Control Sample	Soluble	Solid	300.0	86192
LCSD 880-86192/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	86192
880-46229-A-1-E MS	Matrix Spike	Soluble	Solid	300.0	86192
880-46229-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	86192

Lab Chronicle

Client: Carmona Resources
Project/Site: Ohkay BHH #001 (03.15.24)

Job ID: 880-46235-1
SDG: Eddy County, New Mexico

Client Sample ID: MEC Pit (CO-1139-0)
Date Collected: 07/18/24 00:00
Date Received: 07/19/24 14:04

Lab Sample ID: 880-46235-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	86179	07/19/24 15:30	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	86125	07/19/24 17:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			86303	07/19/24 17:04	AJ	EET MID
Total/NA	Analysis	8015 NM		1			86284	07/19/24 21:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	86109	07/18/24 16:50	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	86152	07/19/24 21:11	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	86192	07/19/24 16:21	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	86197	07/20/24 05:39	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: Ohkay BHH #001 (03.15.24)

Job ID: 880-46235-1
SDG: Eddy County, New Mexico

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: Ohkay BHH #001 (03.15.24)

Job ID: 880-46235-1
SDG: Eddy County, New Mexico

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: Ohkay BHH #001 (03.15.24)

Job ID: 880-46235-1
SDG: Eddy County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-46235-1	MEC Pit (CO-1139-0)	Solid	07/18/24 00:00	07/19/24 14:04

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14



Chain of Custody

Page 1 of 1

Work Order Comments	
Program: <input type="checkbox"/> US/PST <input type="checkbox"/> PRP <input type="checkbox"/> rownfields <input type="checkbox"/> RC <input type="checkbox"/> perfund	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> ST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Manager:	Conner Moehring		Bill to: (if different)	Carmona Resources
Company Name:	Carmona Resources		Company Name:	
Address:	310 W Wall St Ste 500		Address:	
City, State ZIP:	Midland, TX 79701		City, State ZIP:	
Phone:	432-813-6823	Email:	mcarmona@carmonaresources.com	

[illegible]

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com

Comments: Email to Mike Carmona / Mcarmona@carmonaresources.com and Conner Moehring / Cmoehring@carmonaresources.com			
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Cade Moehring	7-14-24	Mike Carmona	7/19/24 14:04
Cade Moehring			

Login Sample Receipt Checklist

Client: Carmona Resources

Job Number: 880-46235-1
SDG Number: Eddy County, New Mexico

Login Number: 46235
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	

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

QUESTIONS

Action 368377

QUESTIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID:	217955
	Action Number:	368377
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2407637319
Incident Name	NAPP2407637319 OHKAY BHH STATE #001 @ 30-015-34551
Incident Type	Fire
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-34551] OHKAY BHH STATE #001

Location of Release Source	
Please answer all the questions in this group.	
Site Name	OHKAY BHH STATE #001
Date Release Discovered	03/15/2024
Surface Owner	State

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	Cause: Fire Other (Specify) Crude Oil Released: 1 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 368377

QUESTIONS (continued)

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QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more; (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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 04/08/2024
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QUESTIONS, Page 3

Action 368377

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 368377
	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	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	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	Between 1 and 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	Between 1 and 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)	288
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	13740
GRO+DRO	(EPA SW-846 Method 8015M)	13740
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.3
Benzene	(EPA SW-846 Method 8021B or 8260B)	0.1

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	04/18/2024
On what date will (or did) the final sampling or liner inspection occur	04/18/2024
On what date will (or was) the remediation complete(d)	04/20/2024
What is the estimated surface area (in square feet) that will be reclaimed	1810
What is the estimated volume (in cubic yards) that will be reclaimed	75
What is the estimated surface area (in square feet) that will be remediated	1810
What is the estimated volume (in cubic yards) that will be remediated	75

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 368377

QUESTIONS (continued)

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

QUESTIONS**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

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

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Ohkay BH Stop [fAPP2228534208]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 07/30/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 368377

QUESTIONS (continued)

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID:	217955
	Action Number:	368377
	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, Page 6

Action 368377

QUESTIONS (continued)

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	Action Number:	368377
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	338144
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/18/2024
What was the (estimated) number of samples that were to be gathered	27
What was the sampling surface area in square feet	1810

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	1810
What was the total volume (cubic yards) remediated	72
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	1810
What was the total volume (in cubic yards) reclaimed	72
Summarize any additional remediation activities not included by answers (above)	na

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: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 07/30/2024
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QUESTIONS, Page 7

Action 368377

QUESTIONS (continued)

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	Action Number: 368377
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 368377

CONDITIONS

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

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation closure approved.	8/5/2024
scwells	Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC	8/5/2024