CARMONA RESOURCES

SITE INFORMATION

Closure Report
Corvo Federal 3H Flowline (06.28.24)
Lea County, New Mexico
Incident ID: nAPP2418437320
Unit M Sec 29 T24S R32E
32.18188611°, -103.70257778°

Crude Oil Release
Point of Release: Corrosion of production flow line
Release Date: 06.28.2024
Volume Released: 1.3 barrels of Crude Oil & Produced Water Mix
Volume Recovered: 0 barrels of Crude Oil & Produced Water Mix

CARMONA RESOURCES

Prepared for:
Concho Operating, LLC
600 West Illinois Avenue
Midland, Texas 79701

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

CARMONA RESOURCES

TABLE OF CONTENTS

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

CARMONA RESOURCES

August 12, 2024

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

Re: Closure Report
Corvo Federal 3H Flowline (06.28.24)
Concho Operating, LLC
Incident ID: nAPP2418437320
Site Location: Unit M, S29, T24S, R32E
(Lat 32.18188611º, Long -103.70257778º)
Lea County, New Mexico

To whom it may concern:

On behalf of Concho Operating, LLC (COG), Carmona Resources, LLC has prepared this letter to document site assessment activities for the Corvo Federal 3H Flowline (06.28.24). The site is located at 32.18188611°, -103.70257778° within Unit M, S29, T24S, R32E, in Lea County, New Mexico (Figures 1 and 2).

1.0 Site Information and Background

Based on the Notice of Release obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on June 28, 2024, due to corrosion of a surface flowline. This released approximately one point three (1.3) barrels of crude oil with zero (0) barrels of crude oil recovered. Refer to Figure 3. The release occurred off the pad in the pasture. 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, there is one known water source within a 0.50-mile radius of the location. The nearest identified well is located approximately 0.22 miles Southeast of the site in S29, T24S, R32E and was drilled in 2021. The well has a reported depth to groundwater of 105’ below ground surface (ft bgs). A copy of the associated Summary report is attached in Appendix D.

3.0 NMAC Regulatory Criteria

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

- Benzene: 10 milligrams per kilogram (mg/kg).
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg.
- TPH: 2,500 mg/kg (GRO + DRO + MRO).
- TPH: 1,000 mg/kg (GRO+DRO).
- Chloride: 20,000 mg/kg.

4.0 Site Assessment Activities

Initial Assessment

On July 11, 2024, Carmona Resources, LLC performed site assessment activities to evaluate soil impacts stemming from the release. A total of one (1) sample point (S-1) and four (4) horizontal sample points (H-1 through H-4) were installed to total depths ranging from surface to 0.5’ bgs inside and surrounding the release area to evaluate the vertical and horizontal extent. See Figure 3 for the sample locations. For chemical analysis,

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Midland TX, 79701
432.813.1992

CARMONA RESOURCES

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 D.

5.0 Remediation Activities

Carmona Resources personnel were on site to guide the remediation activities, collect confirmation samples, and document backfill activities. Before collecting composite confirmation samples, the NMOCD division office was notified via email on July 23, 2024, per Subsection D of 19.15.29.12 NMAC. See Appendix C for the sampling notification. The area of S-1 was excavated to a depth of 4.0' to ensure the removal of all impacted material. A total of two (2) confirmation floor samples were collected (CS-1 through CS-2), and four (4) sidewall samples (SW-1 through SW-4) were collected every 200 square feet to ensure the proper removal of the contaminated material. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix D. The excavation depths and confirmation sample locations are shown in Figure 4.

All final confirmation samples were below the regulatory requirements for TPH, BTEX, and chloride. Refer to Table 2 for the analytical results.

Once the remediation activities were completed, the excavated area was backfilled with clean material to surface grade. The material utilized for backfill was sourced from the Nadine Pit, located at GPS 32.6230694, -103.1251461. The pit sample was analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300. Copies of the laboratory analysis and chain-of-custody documentation are included in Appendix E.

Approximately 80 cubic yards of material were excavated and transported offsite for proper disposal.

6.0 Reclamation Activities

The site was re-seeded on July 26, 2024. The seed mixture was spread by hand. Topsoil matching the surrounding areas was raked over on top of the seed after being broadcasted. The seed mixture used was the BLM Seed Mix #4 (See attachments in Appendix F). See Figure 5 for the reclamation area.

7.0 Conclusions

Based on the assessment results and the analytical data, no further actions are required at the site. 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

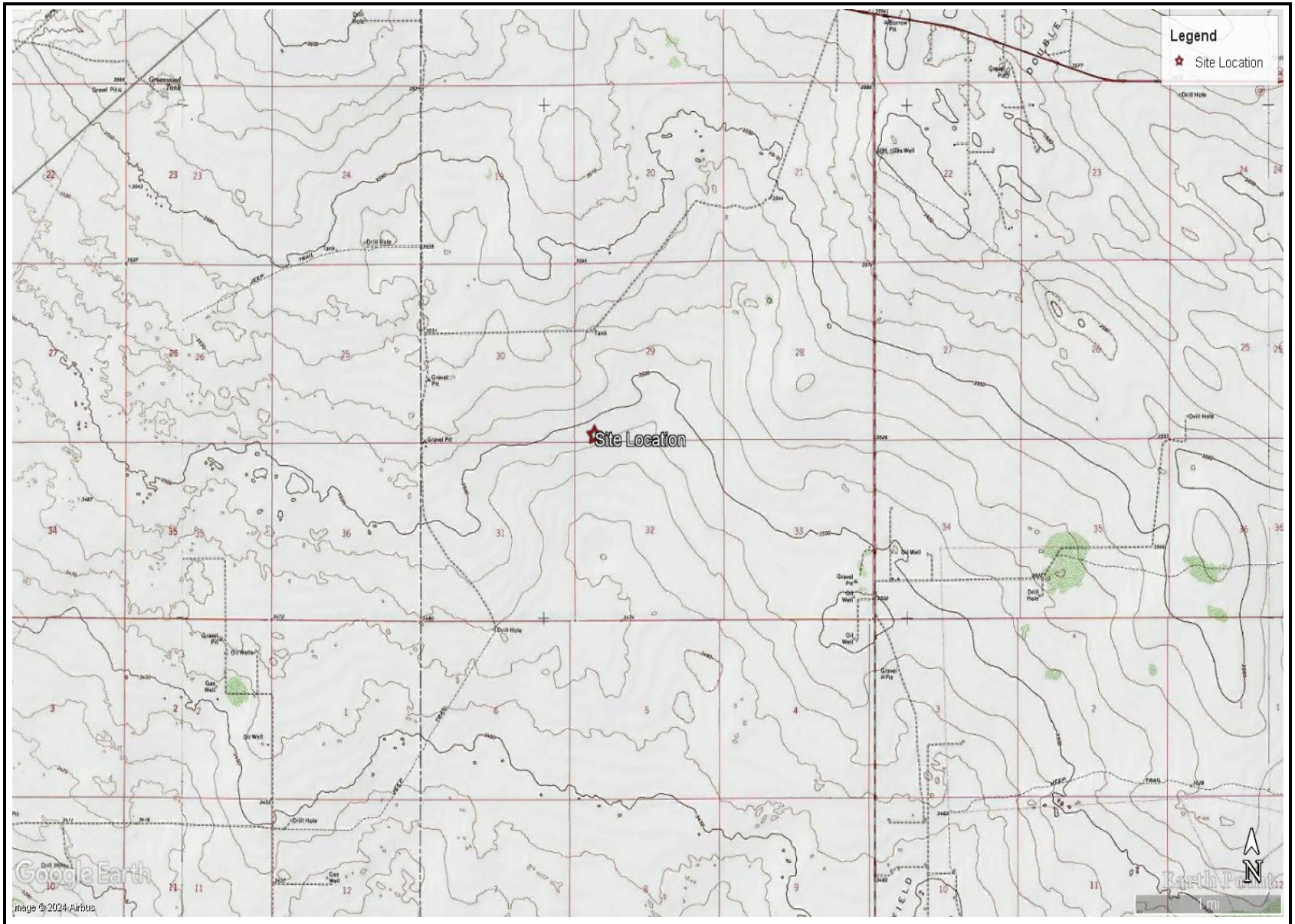
Clinton Merritt
Sr. Project Manager

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

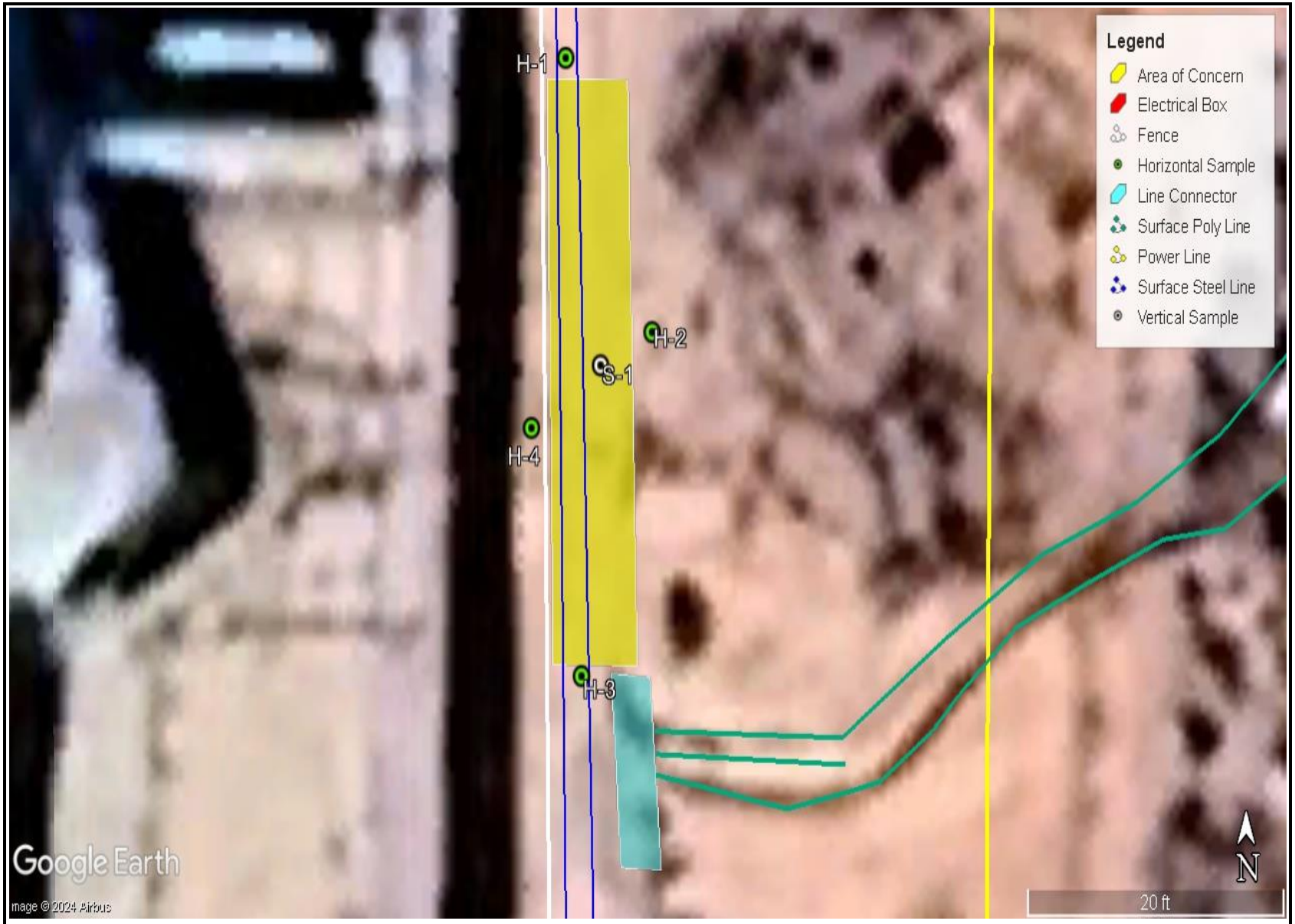
FIGURES

CARMONA RESOURCES

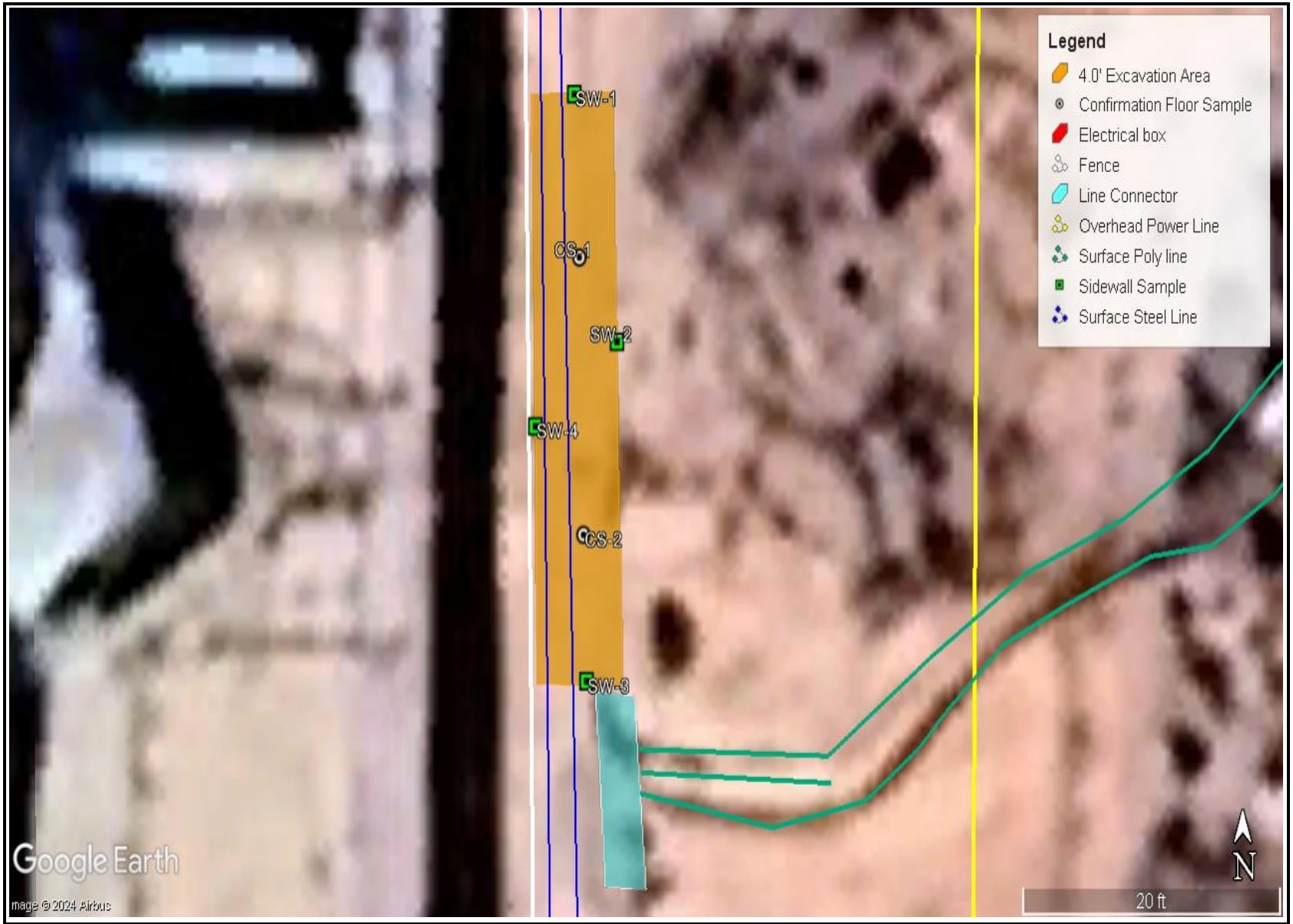
OVERVIEW MAP COG OPERATING, LLC CORVO FEDERAL 3H FLOWLINE (06.28.24) LEA COUNTY, NEW MEXICO 32.18188611°, -103.70257778°	CARMONA RESOURCES	FIGURE 1



TOPOGRAPHIC MAP COG OPERATING, LLC CORVO FEDERAL 3H FLOWLINE (06.28.24) LEA COUNTY, NEW MEXICO 32.18188611°, -103.70257778°	CARMONA RESOURCES	FIGURE 2



SAMPLE LOCATION MAP COG OPERATING, LLC CORVO FEDERAL 3H FLOWLINE (06.28.24) LEA COUNTY, NEW MEXICO 32.18188611°, -103.70257778°	CARMONA RESOURCES	FIGURE 3



EXCAVATION MAP COG OPERATING, LLC CORVO FEDERAL 3H FLOWLINE (06.28.24) LEA COUNTY, NEW MEXICO 32.18188611°, -103.70257778°	CARMONA RESOURCES	FIGURE 4

RECLAMATION MAP COG OPERATING, LLC CORVO FEDERAL 3H FLOWLINE (06.28.24) LEA COUNTY, NEW MEXICO 32.18188611°, -103.70257778°	CARMONA RESOURCES	FIGURE 5

APPENDIX A

CARMONA RESOURCES

Table 1
COG Operating
Corvo Federal 3H Flowline (06.28.24)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
S-1	7/11/2024	0-0.5'	**1,400**	**4,950**	**971**	**7,321**	1.77	17.4	9.26	40.5	**68.9**	**22,000**
H-1	7/11/2024	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	0.071	<0.050	<0.150	<0.300	32.0
H-2	7/11/2024	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-3	7/11/2024	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
H-4	7/11/2024	0-0.5'	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
Regulatory Criteria [A]						**2,500 mg/kg**	**10 mg/kg**				**50 mg/kg**	**20,000 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
Conoco Phillips
Corvo Federal 3H Flowline (06.28.24)
Lea County, New Mexico

Sample ID	Date	Depth (ft)	TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			GRO	DRO	MRO	Total						
CS-1	7/25/2024	4.0	ND	ND	ND	ND	ND	ND	0.00109	ND	ND	19.2
CS-2	7/25/2024	4.0	ND	ND	ND	ND	ND	ND	0.00104	ND	ND	18.3
SW-1	7/25/2024	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.68
SW-2	7/25/2024	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	29.3
SW-3	7/25/2024	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	26.0
SW-4	7/25/2024	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.8
Nadine Pit	7/25/2024	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	45.3
Regulatory Criteria [A]						**2,500mg/kg**	**10 mg/kg**				**50 mg/kg**	**20,000mg/kg**

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

APPENDIX B

CARMONA RESOURCES

PHOTOGRAPHIC LOG

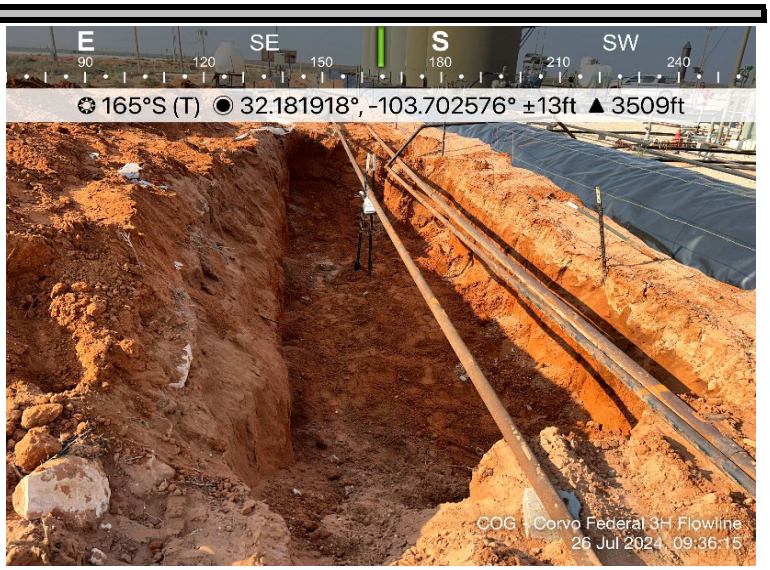
COG Operating, LLC

Photograph No. 1

Facility: Corvo Federal 3H Flowline (06.28.24)

County: Lea County, New Mexico

Description:
View South, area of CS-1 and CS-2.



Photograph No. 2

Facility: Corvo Federal 3H Flowline (06.28.24)

County: Lea County, New Mexico

Description:
View North, area of CS-1 and CS-2.

Photograph No. 3

Facility: Corvo Federal 3H Flowline (06.28.24)

County: Lea County, New Mexico

Description:
View of seed mixture for reclamation activities.

PHOTOGRAPHIC LOG

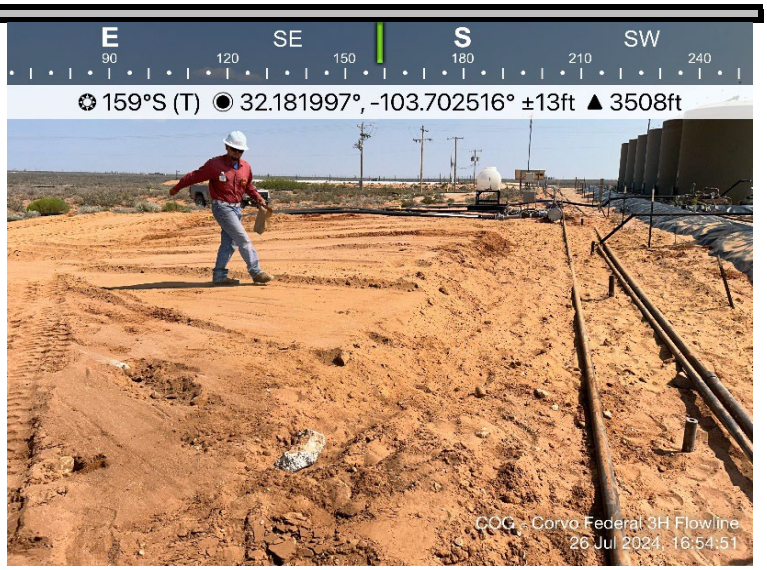
COG Operating, LLC

Photograph No. 1

Facility: Corvo Federal 3H
Flowline (06.28.24)

County: Lea County, New Mexico

Description:
View South, of reclamation activities.



APPENDIX C

CARMONA RESOURCES

OCD Permitting

[NOTIFY] Notification Of Release (NOR) Application

Submission Information

Submission ID:	360458	**Districts:**	Hobbs
Operator:	[217955] COG PRODUCTION, LLC	**Counties:**	Lea
Description:	COG PRODUCTION, LLC [217955] , Crovo Federal 003H , nAPP2418437320		
Status:	APPROVED		
Status Date:	07/02/2024		
References (2):	fAPP2203846438, nAPP2418437320		

Forms

This application type does not have attachments.

Questions

Location of Release Source

Please answer all the questions in this group.

Site Name	Crovo Federal 003H
Date Release Discovered	06/28/2024
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

Incident Type	Release **Other**
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Corrosion | Flow Line - Production | Crude Oil | Released: 1 BBL | Recovered: 0 BBL | Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion | Flow Line - Production | Produced Water | Released: 1 BBL | Recovered: 0 BBL | Lost: 1 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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.*

Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	*Not answered.*
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	*Not answered.*
All free liquids and recoverable materials have been removed and managed appropriately	*Not answered.*
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.

Acknowledgments

- [x] I acknowledge that I am authorized to submit notification of a release on behalf of my operator.
- [x] 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.
- [x] 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.
- [x] 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.
- [x] 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.
- [x] 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.

Comments

No comments found for this submission.

Conditions

Summary: *brittanyesparza (7/2/2024),* When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.

Reasons

No reasons found for this submission.

Go Back

OCD Permitting

[C-141] Initial C-141 (C-141-V-INITIAL) Application

Submission Information

Submission ID:	360463	**Districts:**	Hobbs
Operator:	[217955] COG PRODUCTION, LLC	**Counties:**	Lea
Description:	COG PRODUCTION, LLC [217955] , Crovo Federal 003H , nAPP2418437320		
Status:	APPROVED		
Status Date:	07/02/2024		
References (2):	fAPP2203846438, nAPP2418437320		

Forms

Attachments: Volume Calculation

Questions

Prerequisites

Incident ID (n#)	**nAPP2418437320**
Incident Name	**NAPP2418437320 CROVO FEDERAL 003H @ 0**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Received**
Incident Facility	**[fAPP2203846438] Corvo Federal 4H RT BTTY**

Location of Release Source

Please answer all the questions in this group.

Site Name	Crovo Federal 003H
Date Release Discovered	06/28/2024
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

Incident Type	Release **Other**
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Corrosion | Flow Line - Production | Crude Oil | Released: 1 BBL | Recovered: 0 BBL | Lost: 1 BBL.

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.*

Nature and Volume of Release (continued)

Is this a gas only submission (i.e. only significant Mcf values reported)	**More info needed to determine if this will be treated as a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	*Unavailable.*
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 07/02/2024

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	*Not answered.*
What method was used to determine the depth to ground water	*Not answered.*
Did this release impact groundwater or surface water	*Not answered.*

What is the minimum distance, between the closest lateral extents of the release and the following surface areas:

A continuously flowing watercourse or any other significant watercourse	*Not answered.*
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	*Not answered.*
An occupied permanent residence, school, hospital, institution, or church	*Not answered.*
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	*Not answered.*
Any other fresh water well or spring	*Not answered.*
Incorporated municipal boundaries or a defined municipal fresh water well field	*Not answered.*
A wetland	*Not answered.*
A subsurface mine	*Not answered.*
An (non-karst) unstable area	*Not answered.*
Categorize the risk of this well / site being in a karst geology	*Not answered.*
A 100-year floodplain	*Not answered.*
Did the release impact areas not on an exploration, development, production, or storage site	*Not answered.*

Remediation Plan

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

Requesting a remediation plan approval with this submission	No

This submission type does not have acknowledgments, at this time.

Comments

No comments found for this submission.

Conditions

Summary: *scwells (7/2/2024),* None

Reasons

No reasons found for this submission.

Go Back

OCD Permitting

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	366512	**Districts:**	Hobbs
Operator:	[217955] COG PRODUCTION, LLC	**Counties:**	Lea
Description:	COG PRODUCTION, LLC [217955] , Crovo Federal 003H , nAPP2418437320		
Status:	APPROVED		
Status Date:	07/23/2024		
References (2):	fAPP2203846438, nAPP2418437320		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	**nAPP2418437320**
Incident Name	**NAPP2418437320 CROVO FEDERAL 003H @ 0**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Approved**
Incident Facility	**[fAPP2203846438] Corvo Federal 4H RT BTTY**

Location of Release Source

Site Name	**Crovo Federal 003H**
Date Release Discovered	**06/28/2024**
Surface Owner	**Federal**

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	350
What is the estimated number of samples that will be gathered	6
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/25/2024
Time sampling will commence	01:00 PM
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	Conner Moerhring (432) 813- 6823
Please provide any information necessary for navigation to sampling site	32.18188611, -103.70257778

Acknowledgments

This submission type does not have acknowledgments, at this time.

Conditions

Summary: *jlaird (7/23/2024),* 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.

Reasons

No reasons found for this submission.

Go Back

State of New Mexico
Oil Conservation Division

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: Jacob Laird _____ 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: _____

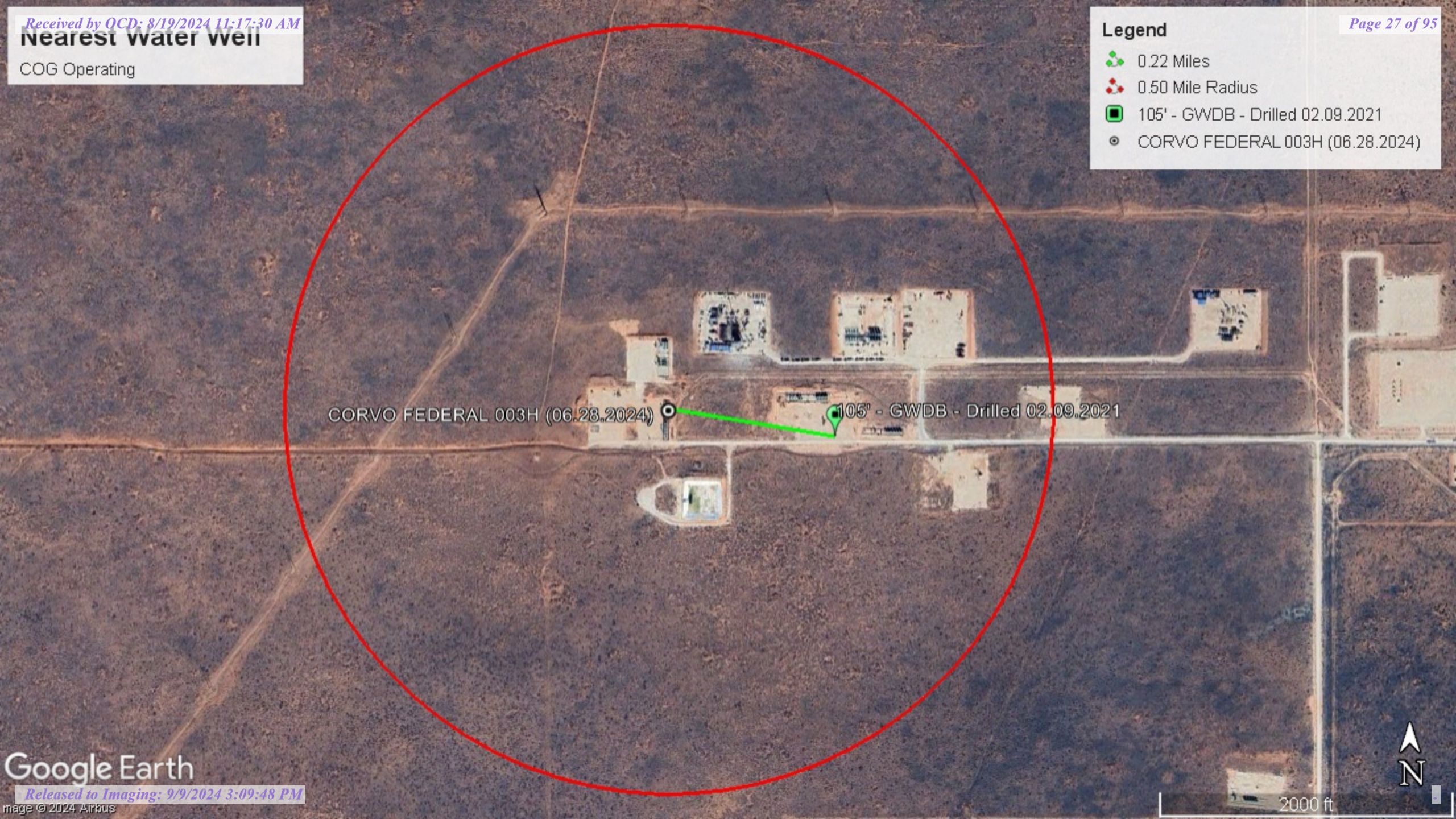
Printed Name: _____ Title: _____

APPENDIX D

CARMONA RESOURCES

Nearest Water Well

COG Operating



Nearest Water Well

COG Operating

Legend

- CORVO FEDERAL 003H (06.28.2024)
- Low

CORVO FEDERAL 003H (06.28.2024)

Google Earth

N

2000 ft

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-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04665	CUB	LE	1	1	2	30	24S	32E	621350	3562798	1751	120		
C 04722 POD2	CUB	LE	2	1	1	06	25S	32E	620808	3559499	2371	55		
C 04654 POD1	CUB	ED	3	3	4	25	24S	31E	619764	3561226	2548	55		
C 04536 POD1	C	LE	1	2	2	33	24S	32E	625019	3561244	2710	500	314	186
C 04636 POD1	CUB	ED	3	4	3	25	24S	31E	619200	3561279	3110			
C 04643 POD1	C	ED	4	2	2	05	23S	27E	619200	3561279	3110	305	135	170
C 04620 POD1	CUB	LE	4	3	4	06	25S	32E	621445	3558018	3427	55		
C 04795 POD1	CUB	LE	4	4	1	08	25S	32E	622865	3557423	3949			

Average Depth to Water: **224 feet**
Minimum Depth: **135 feet**
Maximum Depth: **314 feet**

Record Count: 8

UTMNAD83 Radius Search (in meters):

Easting (X): 622310.48 **Northing (Y):** 3561334.33 **Radius:** 4000

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: BH01	Date: 2-9-2021
Site Name: Azores Fed #4H	
RP or Incident Number: NAPP2124346388	
WSP Job Number: 31402909.130	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: EC	Method: ~~Hollow Stem~~ Air Rotary		
Lat/Long: 32.18139, -103.6989	Field Screening: N/A	Hole Diameter: 6"	Total Depth: 165'

Comments: Depth to water boring, Lithology Remarks Only

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						1	SM	SAND, Fine - medium grain, silty, poorly graded, dry, Reddish Brown, Abundant caliche gravel, Trace clay, Low plasticity, cohesive. No stain, No Odor
						2		
						3		
						4		
						5		
						6		SAA/But trace caliche gravel (Same as above)
						7		
						8		
						9		
						10		SAA/But color change to Light brown,
						11		
						12		
						13		
						14		
						15		SAA
						16		
						17		
						18		
						19		
						20		SAA
						21		
						22		
						23		
						24		
						25		SAA But Abundant Caliche

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name:	Date:
Site Name:	
RP or Incident Number:	
WSP Job Number:	
Logged By:	Method:
Hole Diameter:	Total Depth:

LITHOLOGIC / SOIL SAMPLING LOG

Lat/Long: | Field Screening:

Comments:

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						26	SM	
						27		
						28		
						29		
						30		SAA/But, some clay, (low plasticity, cohesive)
						31	SC	Reddish brown color, No silt present
						32		
						33		
						34		
						35		SAA/But trace caliche gravel present.
						36		
						37		
						38		
						39		
						40		SAA/But Abundant gypsum crystals present.
						41		
						42		
						43		
						44		
						45		SAA/But only Fine grain sand, Trace gypsum crystals present.
						46		
						47		(possible mottling)
						48		sharp transition to clayey sand. Fine grain, No caliche
						49		
						50		gravel present, grayish color

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name:	Date:
Site Name:	
RP or Incident Number:	
WSP Job Number:	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: / Method:
Lat/Long: / Field Screening:	Hole Diameter: / Total Depth:
Comments:	

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						51	SC	
						52		
						53		
						54		Dry; Low plasticity, cohesive
						55		SAND, Clayey, Fine grain, poorly graded Reddish brown, gray colored Sand also present (possible mottling), Trace gypsum crystals
						56		
						57		
						58		
						59		
						60		SAA
						61		
						62		
						63		
						64		
						65		SAA
						66		
						67		
						68		
						69		Clayey; Reddish brown
						70		SAND, Fine grain, Dry, poorly graded, Abundant clay, Low plasticity, Cohesive. Abundant gypsum crystals
						71		
						72		
						73		
						74		
						75		SAA

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name:	Date:
Site Name:	
RP or Incident Number:	
WSP Job Number:	
Logged By:	Method:
Hole Diameter:	Total Depth:

LITHOLOGIC / SOIL SAMPLING LOG

Lat/Long:

Field Screening:

Comments:

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						76	SC	
						77		
						78		
						79		Low plasticity, cohesive
						80		SAND, Clayey, Fine grain, Dry, poorly graded, Reddish Brown, Abundant Gypsum crystals.
						81		
						82		
						83		
						84		
						85		SAA But Some clay, Low plasticity, non-cohesive. Not clayey sand.
						86	SM	
						87		
						88		
						89		
						90		SAA
						91		
						92		
						93		
						94		
						95		SAA
						96		
						97		Clayey SAND, Fine grain, poorly graded, Abundant clay, Low Plasticity, cohesive. Trace Gypsum Crystals.
						98		
						99		
						100	SC	

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name:	Date:
Site Name:	
RP or Incident Number:	
WSP Job Number:	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: / Method:
Lat/Long: / Field Screening:	Hole Diameter: / Total Depth:
Comments:	

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						101	SC	
						102		
						103		
						104		
						105		SAA But Abunchnt gypsum crystals
						106		Total Depth 105', @ 11:30
						107		
						108		
						109		
						110		
						112		
						113		
						114		
						115		
						116		
						117		
						118		
						119		
						120		
						121		
						122		
						123		
						124		
						125		

FEMA National Flood Hazard Layer (NFHL)

FEMA flood layer

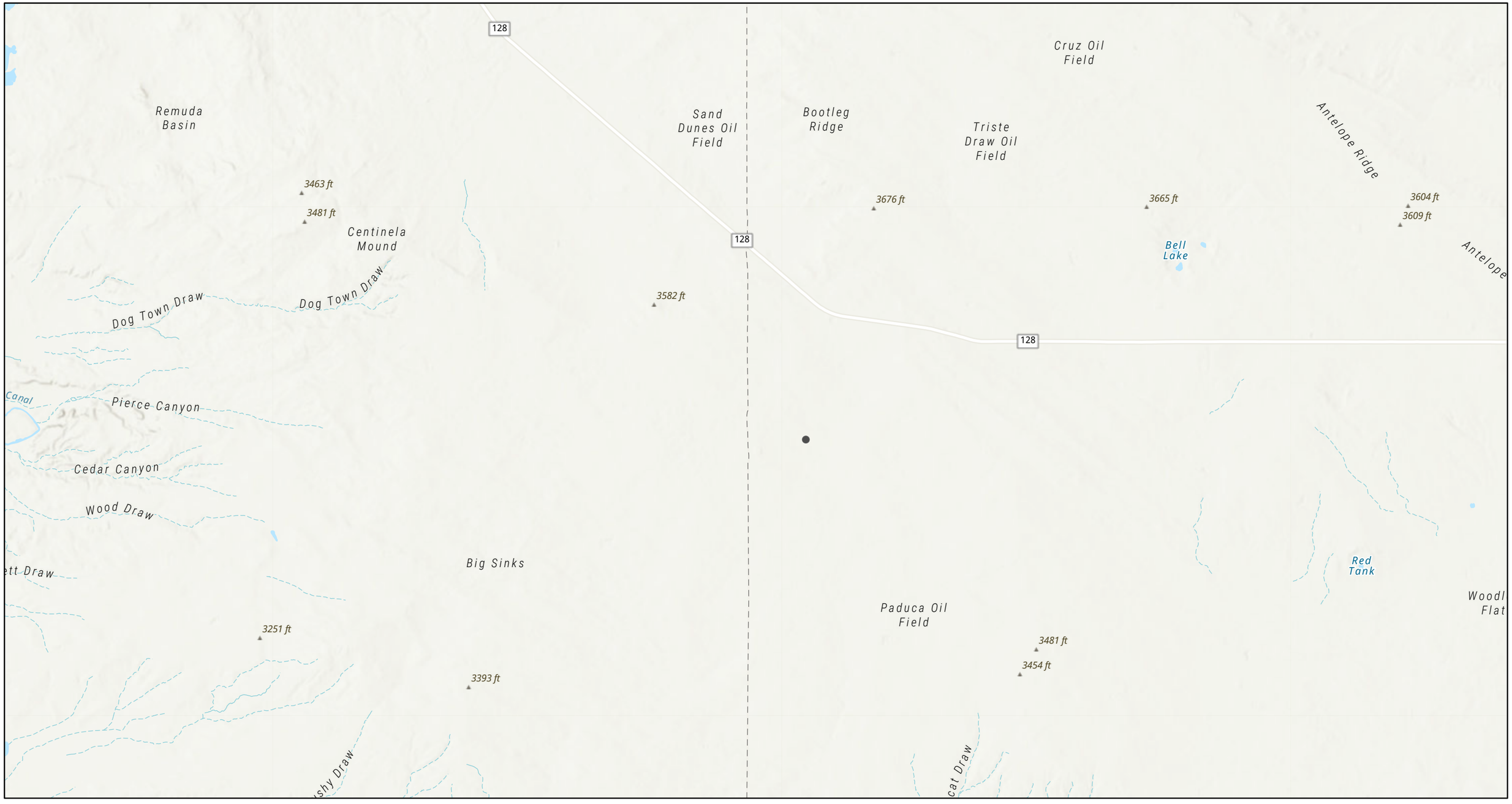
Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA

FEMA National Flood Hazard Layer (NFHL)

FEMA flood layer

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

CORVO FEDERAL 003H (06.28.2024)



7/2/2024, 7:12:09 PM

1:144,448

0 1.5 3 6 mi

0 2.5 5 10 km

Esri, NASA, NGA, USGS, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, USFWS

New Mexico Oil Conservation Division

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

APPENDIX E

CARMONA RESOURCES

CARDINAL Laboratories

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

July 15, 2024

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: CORVO FEDERAL 3H FLOWLINE (06.28.24)

Enclosed are the results of analyses for samples received by the laboratory on 07/11/24 14:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	07/11/2024	Sampling Date:	07/11/2024
Reported:	07/15/2024	Sampling Type:	Soil
Project Name:	CORVO FEDERAL 3H FLOWLINE (06.28.2	Sampling Condition:	Cool & Intact
Project Number:	2368	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: S - 1 (0-0.5') (H244157-01)

BTEX 8021B mg/kg Analyzed By: JH S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**1.77**	0.200	07/13/2024	ND	1.98	99.1	2.00	5.89	
Toluene*	**17.4**	0.200	07/13/2024	ND	1.95	97.4	2.00	5.12	
Ethylbenzene*	**9.26**	0.200	07/13/2024	ND	1.98	98.9	2.00	4.88	
Total Xylenes*	**40.5**	0.600	07/13/2024	ND	5.84	97.3	6.00	4.98	
Total BTEX	**68.9**	1.20	07/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *189 %* *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	**22000**	16.0	07/12/2024	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*	**1400**	10.0	07/12/2024	ND	204	102	200	1.81	
DRO >C10-C28*	**4950**	10.0	07/12/2024	ND	204	102	200	5.44	
EXT DRO >C28-C36	**971**	10.0	07/12/2024	ND					

Surrogate: 1-Chlorooctane *187 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *156 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H24157

Page 1 of 1

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 ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Corvo Federal 3H Flowline (06.28.24)	Turn Around	☐ Routine ☑ Rush
Project Number:	2368	Due Date:	48 HR
Project Location	Lea County, New Mexico		
Sampler's Name:	MM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	140
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.3
Total Containers:		Corrected Temperature:	

Preservative Codes

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

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	Sample Comments
S-1 (0-0.5')	7/11/2024		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
	7-11-24 1454		

CARDINAL Laboratories

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

July 15, 2024

CONNER MOEHRING

CARMONA RESOURCES

310 W WALL ST, SUITE 500

MIDLAND, TX 79701

RE: CORVO FEDERAL 3H FLOWLINE (06.28.24)

Enclosed are the results of analyses for samples received by the laboratory on 07/11/24 14:54.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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:	07/11/2024	Sampling Date:	07/11/2024
Reported:	07/15/2024	Sampling Type:	Soil
Project Name:	CORVO FEDERAL 3H FLOWLINE (06.28.2	Sampling Condition:	Cool & Intact
Project Number:	2368	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: H 1 (0-0.5') (H244158-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	1.98	99.1	2.00	5.89	
Toluene*	**0.071**	0.050	07/12/2024	ND	1.95	97.4	2.00	5.12	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.98	98.9	2.00	4.88	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.84	97.3	6.00	4.98	
Total BTEX	<0.300	0.300	07/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *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	07/12/2024	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	07/12/2024	ND	204	102	200	1.81	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	204	102	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					

Surrogate: 1-Chlorooctane *116 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *133 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	07/11/2024	Sampling Date:	07/11/2024
Reported:	07/15/2024	Sampling Type:	Soil
Project Name:	CORVO FEDERAL 3H FLOWLINE (06.28.2	Sampling Condition:	Cool & Intact
Project Number:	2368	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: H 2 (0-0.5') (H244158-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	1.98	99.1	2.00	5.89	
Toluene*	<0.050	0.050	07/12/2024	ND	1.95	97.4	2.00	5.12	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.98	98.9	2.00	4.88	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.84	97.3	6.00	4.98	
Total BTEX	<0.300	0.300	07/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *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	07/12/2024	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	07/12/2024	ND	204	102	200	1.81	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	204	102	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					

Surrogate: 1-Chlorooctane *107 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *122 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	07/11/2024	Sampling Date:	07/11/2024
Reported:	07/15/2024	Sampling Type:	Soil
Project Name:	CORVO FEDERAL 3H FLOWLINE (06.28.2	Sampling Condition:	Cool & Intact
Project Number:	2368	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: H 3 (0-0.5') (H244158-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	1.98	99.1	2.00	5.89	
Toluene*	<0.050	0.050	07/12/2024	ND	1.95	97.4	2.00	5.12	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.98	98.9	2.00	4.88	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.84	97.3	6.00	4.98	
Total BTEX	<0.300	0.300	07/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *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	07/12/2024	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	07/12/2024	ND	204	102	200	1.81	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	204	102	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					

Surrogate: 1-Chlorooctane *91.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *104 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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:	07/11/2024	Sampling Date:	07/11/2024
Reported:	07/15/2024	Sampling Type:	Soil
Project Name:	CORVO FEDERAL 3H FLOWLINE (06.28.2	Sampling Condition:	Cool & Intact
Project Number:	2368	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NEW MEXICO		

Sample ID: H 4 (0-0.5') (H244158-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2024	ND	1.98	99.1	2.00	5.89	
Toluene*	<0.050	0.050	07/12/2024	ND	1.95	97.4	2.00	5.12	
Ethylbenzene*	<0.050	0.050	07/12/2024	ND	1.98	98.9	2.00	4.88	
Total Xylenes*	<0.150	0.150	07/12/2024	ND	5.84	97.3	6.00	4.98	
Total BTEX	<0.300	0.300	07/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *103 %* *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	07/12/2024	ND	432	108	400	3.64	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/12/2024	ND	204	102	200	1.81	
DRO >C10-C28*	<10.0	10.0	07/12/2024	ND	204	102	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	07/12/2024	ND					

Surrogate: 1-Chlorooctane *114 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *131 %* *49.1-148*

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H244158

Page 1 of 1

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 ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Corvo Federal 3H Flowline (06.28.24)	Turn Around	☐ Routine ☑ Rush
Project Number:	2368	Due Date:	48 HR
Project Location	Lea County, New Mexico		
Sampler's Name:	MM		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	140
Cooler Custody Seals:	Yes No N/A	Correction Factor:	0
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.3°
Total Containers:		Corrected Temperature:	1.3°

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500
H1 (0-0.5')	7/11/2024		X		G	1		X	X	X
H2 (0-0.5')	7/11/2024		X		G	1		X	X	X
H3 (0-0.5')	7/11/2024		X		G	1		X	X	X
H4 (0-0.5')	7/11/2024		X		G	1		X	X	X

ANALYSIS REQUEST / Parameters

Preservative Codes

None: NO — DI Water: H_2O

Cool: Cool — MeOH: Me

HCL: HC — HNO_3: HN

H_2S0_4: H_2 — NaOH: Na

H_3PO_4: HP

$NaHSO_4$: NABIS

$Na_2S_2O_3$: $NaSO_3$

Zn Acetate+NaOH: Zn

NaOH+Ascorbic Acid: SAPC

Sample Comments

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	7-11-24 1454		

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701

PBELAB

Analytical Report

Prepared for:

Conner Moehring

Carmona Resources

310 West W Wall Ste. 415

Midland, TX 79701

Project: Corvo Federal 3H Flowline (06.28.24)

Project Number: 2368

Location: Lea County, NM

Lab Order Number: 4G26006

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 07/30/24

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS-1 (4')	4G26006-01	Soil	07/25/24 00:00	07-26-2024 14:38
CS-2 (4')	4G26006-02	Soil	07/25/24 00:00	07-26-2024 14:38
SW-1 (4')	4G26006-03	Soil	07/25/24 00:00	07-26-2024 14:38
SW-2 (4')	4G26006-04	Soil	07/25/24 00:00	07-26-2024 14:38
SW-3 (4')	4G26006-05	Soil	07/25/24 00:00	07-26-2024 14:38
SW-4 (4')	4G26006-06	Soil	07/25/24 00:00	07-26-2024 14:38

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

CS-1 (4')

4G26006-01 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P4G2601	07/26/24 15:05	07/26/24 20:15	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P4G2601	07/26/24 15:05	07/26/24 20:15	EPA 8021B	
Ethylbenzene	**0.00109**	0.00101	mg/kg dry	1	P4G2601	07/26/24 15:05	07/26/24 20:15	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P4G2601	07/26/24 15:05	07/26/24 20:15	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P4G2601	07/26/24 15:05	07/26/24 20:15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*84.3 %*	*80-120*		*P4G2601*	*07/26/24 15:05*	*07/26/24 20:15*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P4G2601*	*07/26/24 15:05*	*07/26/24 20:15*	*EPA 8021B*	
Organics by GC									
Gasoline Range Organics	ND	25.3	mg/kg dry	1	P4G2608	07/26/24 15:33	07/27/24 02:24	EPA 8015M	
Diesel Range Organics	ND	25.3	mg/kg dry	1	P4G2608	07/26/24 15:33	07/27/24 02:24	EPA 8015M	
Mineral Oil Range Organics	ND	25.3	mg/kg dry	1	P4G2608	07/26/24 15:33	07/27/24 02:24	EPA 8015M	
Surrogate: 1-Chlorooctane		*73.0 %*	*70-130*		*P4G2608*	*07/26/24 15:33*	*07/27/24 02:24*	*EPA 8015M*	
Surrogate: o-Terphenyl		*76.7 %*	*70-130*		*P4G2608*	*07/26/24 15:33*	*07/27/24 02:24*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**19.2**	1.01	mg/kg dry	1	P4G2606	07/26/24 15:59	07/26/24 23:04	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P4G2909	07/29/24 13:43	07/29/24 13:44	ASTM D2216	

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

CS-2 (4')

4G26006-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P4G2601	07/26/24 15:05	07/26/24 20:37	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P4G2601	07/26/24 15:05	07/26/24 20:37	EPA 8021B	
Ethylbenzene	**0.00104**	0.00101	mg/kg dry	1	P4G2601	07/26/24 15:05	07/26/24 20:37	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P4G2601	07/26/24 15:05	07/26/24 20:37	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P4G2601	07/26/24 15:05	07/26/24 20:37	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*101 %*	*80-120*		*P4G2601*	*07/26/24 15:05*	*07/26/24 20:37*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*84.3 %*	*80-120*		*P4G2601*	*07/26/24 15:05*	*07/26/24 20:37*	*EPA 8021B*	
Organics by GC									
Gasoline Range Organics	ND	25.3	mg/kg dry	1	P4G2608	07/26/24 15:33	07/27/24 02:47	EPA 8015M	
Diesel Range Organics	ND	25.3	mg/kg dry	1	P4G2608	07/26/24 15:33	07/27/24 02:47	EPA 8015M	
Mineral Oil Range Organics	ND	25.3	mg/kg dry	1	P4G2608	07/26/24 15:33	07/27/24 02:47	EPA 8015M	
Surrogate: 1-Chlorooctane		*73.8 %*	*70-130*		*P4G2608*	*07/26/24 15:33*	*07/27/24 02:47*	*EPA 8015M*	
Surrogate: o-Terphenyl		*76.0 %*	*70-130*		*P4G2608*	*07/26/24 15:33*	*07/27/24 02:47*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**18.3**	1.01	mg/kg dry	1	P4G2606	07/26/24 15:59	07/26/24 23:21	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P4G2909	07/29/24 13:43	07/29/24 13:44	ASTM D2216	

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

SW-1 (4')

4G26006-03 (Soil)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P4G2601	07/26/24 15:05	07/26/24 20:59	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P4G2601	07/26/24 15:05	07/26/24 20:59	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P4G2601	07/26/24 15:05	07/26/24 20:59	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P4G2601	07/26/24 15:05	07/26/24 20:59	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P4G2601	07/26/24 15:05	07/26/24 20:59	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*100 %*	*80-120*		*P4G2601*	*07/26/24 15:05*	*07/26/24 20:59*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*83.1 %*	*80-120*		*P4G2601*	*07/26/24 15:05*	*07/26/24 20:59*	*EPA 8021B*	
Organics by GC									
Gasoline Range Organics	ND	25.3	mg/kg dry	1	P4G2608	07/26/24 15:33	07/27/24 03:09	EPA 8015M	
Diesel Range Organics	ND	25.3	mg/kg dry	1	P4G2608	07/26/24 15:33	07/27/24 03:09	EPA 8015M	
Mineral Oil Range Organics	ND	25.3	mg/kg dry	1	P4G2608	07/26/24 15:33	07/27/24 03:09	EPA 8015M	
Surrogate: 1-Chlorooctane		*69.4 %*	*70-130*		*P4G2608*	*07/26/24 15:33*	*07/27/24 03:09*	*EPA 8015M*	*S-GC*
Surrogate: o-Terphenyl		*72.9 %*	*70-130*		*P4G2608*	*07/26/24 15:33*	*07/27/24 03:09*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**4.68**	1.01	mg/kg dry	1	P4G2606	07/26/24 15:59	07/26/24 23:37	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P4G2909	07/29/24 13:43	07/29/24 13:44	ASTM D2216	

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

SW-2 (4')

4G26006-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P4G2601	07/26/24 15:05	07/26/24 21:21	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P4G2601	07/26/24 15:05	07/26/24 21:21	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P4G2601	07/26/24 15:05	07/26/24 21:21	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P4G2601	07/26/24 15:05	07/26/24 21:21	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P4G2601	07/26/24 15:05	07/26/24 21:21	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*100 %*	*80-120*		*P4G2601*	*07/26/24 15:05*	*07/26/24 21:21*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*84.0 %*	*80-120*		*P4G2601*	*07/26/24 15:05*	*07/26/24 21:21*	*EPA 8021B*	
Organics by GC									
Gasoline Range Organics	ND	25.3	mg/kg dry	1	P4G2608	07/26/24 15:33	07/27/24 03:32	EPA 8015M	
Diesel Range Organics	ND	25.3	mg/kg dry	1	P4G2608	07/26/24 15:33	07/27/24 03:32	EPA 8015M	
Mineral Oil Range Organics	ND	25.3	mg/kg dry	1	P4G2608	07/26/24 15:33	07/27/24 03:32	EPA 8015M	
Surrogate: 1-Chlorooctane		*73.0 %*	*70-130*		*P4G2608*	*07/26/24 15:33*	*07/27/24 03:32*	*EPA 8015M*	
Surrogate: o-Terphenyl		*75.1 %*	*70-130*		*P4G2608*	*07/26/24 15:33*	*07/27/24 03:32*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**29.3**	1.01	mg/kg dry	1	P4G2606	07/26/24 15:59	07/26/24 23:53	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P4G2909	07/29/24 13:43	07/29/24 13:44	ASTM D2216	

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

SW-3 (4')

4G26006-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P4G2607	07/26/24 15:06	07/29/24 11:40	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P4G2607	07/26/24 15:06	07/29/24 11:40	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P4G2607	07/26/24 15:06	07/29/24 11:40	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P4G2607	07/26/24 15:06	07/29/24 11:40	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P4G2607	07/26/24 15:06	07/29/24 11:40	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*93.7 %*	*80-120*		*P4G2607*	*07/26/24 15:06*	*07/29/24 11:40*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*96.6 %*	*80-120*		*P4G2607*	*07/26/24 15:06*	*07/29/24 11:40*	*EPA 8021B*	
Organics by GC									
Gasoline Range Organics	ND	25.3	mg/kg dry	1	P4G2608	07/26/24 15:33	07/27/24 03:55	EPA 8015M	
Diesel Range Organics	ND	25.3	mg/kg dry	1	P4G2608	07/26/24 15:33	07/27/24 03:55	EPA 8015M	
Mineral Oil Range Organics	ND	25.3	mg/kg dry	1	P4G2608	07/26/24 15:33	07/27/24 03:55	EPA 8015M	
Surrogate: 1-Chlorooctane		*68.8 %*	*70-130*		*P4G2608*	*07/26/24 15:33*	*07/27/24 03:55*	*EPA 8015M*	*S-GC*
Surrogate: o-Terphenyl		*71.0 %*	*70-130*		*P4G2608*	*07/26/24 15:33*	*07/27/24 03:55*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**26.0**	1.01	mg/kg dry	1	P4G2606	07/26/24 15:59	07/27/24 00:10	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P4G2909	07/29/24 13:43	07/29/24 13:44	ASTM D2216	

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

SW-4 (4')

4G26006-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P4G2607	07/26/24 15:06	07/29/24 12:02	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P4G2607	07/26/24 15:06	07/29/24 12:02	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P4G2607	07/26/24 15:06	07/29/24 12:02	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P4G2607	07/26/24 15:06	07/29/24 12:02	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P4G2607	07/26/24 15:06	07/29/24 12:02	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		*97.1 %*	*80-120*		*P4G2607*	*07/26/24 15:06*	*07/29/24 12:02*	*EPA 8021B*	
Surrogate: 4-Bromofluorobenzene		*95.5 %*	*80-120*		*P4G2607*	*07/26/24 15:06*	*07/29/24 12:02*	*EPA 8021B*	
Organics by GC									
Gasoline Range Organics	ND	25.3	mg/kg dry	1	P4G2608	07/26/24 15:33	07/27/24 04:18	EPA 8015M	
Diesel Range Organics	ND	25.3	mg/kg dry	1	P4G2608	07/26/24 15:33	07/27/24 04:18	EPA 8015M	
Mineral Oil Range Organics	ND	25.3	mg/kg dry	1	P4G2608	07/26/24 15:33	07/27/24 04:18	EPA 8015M	
Surrogate: 1-Chlorooctane		*66.0 %*	*70-130*		*P4G2608*	*07/26/24 15:33*	*07/27/24 04:18*	*EPA 8015M*	*S-GC*
Surrogate: o-Terphenyl		*72.7 %*	*70-130*		*P4G2608*	*07/26/24 15:33*	*07/27/24 04:18*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**17.8**	1.01	mg/kg dry	1	P4G2606	07/26/24 15:59	07/27/24 00:26	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P4G2909	07/29/24 13:43	07/29/24 13:44	ASTM D2216	

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4G2601 - * DEFAULT PREP *** **										
Blank (P4G2601-BLK1)				Prepared & Analyzed: 07/26/24						
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*96.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.0983*		"	*0.120*		*81.9*	*80-120*			
LCS (P4G2601-BS1)				Prepared & Analyzed: 07/26/24						
Benzene	0.101	0.00100	mg/kg	0.100		101	80-120			
Toluene	0.0935	0.00100	"	0.100		93.5	80-120			
Ethylbenzene	0.102	0.00100	"	0.100		102	80-120			
Xylene (p/m)	0.183	0.00200	"	0.200		91.3	80-120			
Xylene (o)	0.0872	0.00100	"	0.100		87.2	80-120			
Surrogate: 1,4-Difluorobenzene	*0.118*		"	*0.120*		*98.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.103*		"	*0.120*		*85.7*	*80-120*			
LCS Dup (P4G2601-BSD1)				Prepared & Analyzed: 07/26/24						
Benzene	0.106	0.00100	mg/kg	0.100		106	80-120	4.79	20	
Toluene	0.0992	0.00100	"	0.100		99.2	80-120	5.94	20	
Ethylbenzene	0.108	0.00100	"	0.100		108	80-120	6.19	20	
Xylene (p/m)	0.190	0.00200	"	0.200		95.2	80-120	4.28	20	
Xylene (o)	0.0937	0.00100	"	0.100		93.7	80-120	7.10	20	
Surrogate: 1,4-Difluorobenzene	*0.119*		"	*0.120*		*99.1*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.103*		"	*0.120*		*86.2*	*80-120*			
Calibration Blank (P4G2601-CCB1)				Prepared & Analyzed: 07/26/24						
Benzene	0.00		ug/kg							
Toluene	0.450		"							
Ethylbenzene	0.130		"							
Xylene (p/m)	0.200		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.116*		"	*0.120*		*96.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.0976*		"	*0.120*		*81.4*	*80-120*			

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4G2601 - * DEFAULT PREP *** **										
Calibration Blank (P4G2601-CCB2)				Prepared & Analyzed: 07/26/24						
Benzene	0.00		ug/kg							
Toluene	0.380		"							
Ethylbenzene	0.190		"							
Xylene (p/m)	0.340		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.0992*		*"*	*0.120*		*82.7*	*80-120*			
Calibration Check (P4G2601-CCV1)				Prepared & Analyzed: 07/26/24						
Benzene	0.110	0.00100	mg/kg	0.100		110	80-120			
Toluene	0.104	0.00100	"	0.100		104	80-120			
Ethylbenzene	0.107	0.00100	"	0.100		107	80-120			
Xylene (p/m)	0.197	0.00200	"	0.200		98.7	80-120			
Xylene (o)	0.100	0.00100	"	0.100		100	80-120			
Surrogate: 1,4-Difluorobenzene	*0.118*		*"*	*0.120*		*98.8*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.102*		*"*	*0.120*		*84.9*	*75-125*			
Calibration Check (P4G2601-CCV2)				Prepared & Analyzed: 07/26/24						
Benzene	0.109	0.00100	mg/kg	0.100		109	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.105	0.00100	"	0.100		105	80-120			
Xylene (p/m)	0.191	0.00200	"	0.200		95.4	80-120			
Xylene (o)	0.0964	0.00100	"	0.100		96.4	80-120			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.120*		*100*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.103*		*"*	*0.120*		*86.0*	*75-125*			
Calibration Check (P4G2601-CCV3)				Prepared & Analyzed: 07/26/24						
Benzene	0.107	0.00100	mg/kg	0.100		107	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.184	0.00200	"	0.200		92.1	80-120			
Xylene (o)	0.0977	0.00100	"	0.100		97.7	80-120			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*102*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.103*		*"*	*0.120*		*86.0*	*75-125*			

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4G2601 - * DEFAULT PREP *** **										
Matrix Spike (P4G2601-MS1)	**Source: 4G25016-01**			Prepared & Analyzed: 07/26/24						
Benzene	0.0804	0.00109	mg/kg dry	0.109	ND	73.9	80-120			S-GC1
Toluene	0.0619	0.00109	"	0.109	ND	56.9	80-120			S-GC1
Ethylbenzene	0.0514	0.00109	"	0.109	ND	47.3	80-120			S-GC1
Xylene (p/m)	0.103	0.00217	"	0.217	ND	47.4	80-120			S-GC1
Xylene (o)	0.0457	0.00109	"	0.109	ND	42.0	80-120			S-GC1
Surrogate: 1,4-Difluorobenzene	*0.134*		*"*	*0.130*		*103*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.112*		*"*	*0.130*		*85.6*	*80-120*			
Matrix Spike Dup (P4G2601-MSD1)	**Source: 4G25016-01**			Prepared & Analyzed: 07/26/24						
Benzene	0.0938	0.00109	mg/kg dry	0.109	ND	86.3	80-120	15.4	20	
Toluene	0.0768	0.00109	"	0.109	ND	70.6	80-120	21.5	20	S-GC1
Ethylbenzene	0.0664	0.00109	"	0.109	ND	61.1	80-120	25.4	20	S-GC1
Xylene (p/m)	0.130	0.00217	"	0.217	ND	59.6	80-120	22.7	20	S-GC1
Xylene (o)	0.0592	0.00109	"	0.109	ND	54.5	80-120	25.8	20	S-GC1
Surrogate: 4-Bromofluorobenzene	*0.112*		*"*	*0.130*		*86.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.134*		*"*	*0.130*		*103*	*80-120*			
Batch P4G2607 - * DEFAULT PREP *** **										
Blank (P4G2607-BLK1)				Prepared: 07/26/24 Analyzed: 07/29/24						
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.114*		*"*	*0.120*		*94.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.104*		*"*	*0.120*		*86.7*	*80-120*			

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4G2607 - * DEFAULT PREP *** **										
LCS (P4G2607-BS1)				Prepared: 07/26/24 Analyzed: 07/29/24						
Benzene	0.106	0.00100	mg/kg	0.100		106	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120			
Xylene (p/m)	0.200	0.00200	"	0.200		100	80-120			
Xylene (o)	0.0992	0.00100	"	0.100		99.2	80-120			
Surrogate: 1,4-Difluorobenzene	*0.125*		*"*	*0.120*		*104*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.113*		*"*	*0.120*		*94.0*	*80-120*			
LCS Dup (P4G2607-BSD1)				Prepared: 07/26/24 Analyzed: 07/29/24						
Benzene	0.0913	0.00100	mg/kg	0.100		91.3	80-120	15.1	20	
Toluene	0.0939	0.00100	"	0.100		93.9	80-120	9.10	20	
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120	14.5	20	
Xylene (p/m)	0.179	0.00200	"	0.200		89.6	80-120	11.1	20	
Xylene (o)	0.0938	0.00100	"	0.100		93.8	80-120	5.62	20	
Surrogate: 4-Bromofluorobenzene	*0.0991*		*"*	*0.120*		*82.6*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.127*		*"*	*0.120*		*106*	*80-120*			
Calibration Blank (P4G2607-CCB1)				Prepared & Analyzed: 07/26/24						
Benzene	0.00		ug/kg							
Toluene	0.240		"							
Ethylbenzene	0.130		"							
Xylene (p/m)	0.190		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.120*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.0998*		*"*	*0.120*		*83.1*	*80-120*			
Calibration Check (P4G2607-CCV1)				Prepared & Analyzed: 07/26/24						
Benzene	0.107	0.00100	mg/kg	0.100		107	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.184	0.00200	"	0.200		92.1	80-120			
Xylene (o)	0.0977	0.00100	"	0.100		97.7	80-120			
Surrogate: 4-Bromofluorobenzene	*0.103*		*"*	*0.120*		*86.0*	*75-125*			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*102*	*75-125*			

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4G2607 - * DEFAULT PREP *** **										
Calibration Check (P4G2607-CCV2)				Prepared: 07/26/24 Analyzed: 07/29/24						
Benzene	0.107	0.00100	mg/kg	0.100		107	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.0991	0.00100	"	0.100		99.1	80-120			
Xylene (p/m)	0.193	0.00200	"	0.200		96.7	80-120			
Xylene (o)	0.0961	0.00100	"	0.100		96.1	80-120			
Surrogate: 1,4-Difluorobenzene	*0.128*		*"*	*0.120*		*107*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.114*		*"*	*0.120*		*94.6*	*75-125*			
Matrix Spike (P4G2607-MS1)		**Source: 4G26006-05**		Prepared: 07/26/24 Analyzed: 07/29/24						
Benzene	0.0248	0.00101	mg/kg dry	0.101	ND	24.6	80-120			S-GC1
Toluene	0.0175	0.00101	"	0.101	ND	17.3	80-120			S-GC1
Ethylbenzene	0.0213	0.00101	"	0.101	ND	21.1	80-120			S-GC1
Xylene (p/m)	0.0204	0.00202	"	0.202	ND	10.1	80-120			S-GC1
Xylene (o)	0.0242	0.00101	"	0.101	ND	24.0	80-120			S-GC1
Surrogate: 4-Bromofluorobenzene	*0.127*		*"*	*0.121*		*105*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.121*		*100*	*80-120*			
Matrix Spike Dup (P4G2607-MSD1)		**Source: 4G26006-05**		Prepared: 07/26/24 Analyzed: 07/29/24						
Benzene	0.00105	0.00101	mg/kg dry	0.101	ND	1.04	80-120	184	20	S-GC1
Toluene	0.000848	0.00101	"	0.101	ND	0.840	80-120	182	20	S-GC1
Ethylbenzene	0.00212	0.00101	"	0.101	ND	2.10	80-120	164	20	S-GC1
Xylene (p/m)	0.00512	0.00202	"	0.202	ND	2.54	80-120	120	20	S-GC1
Xylene (o)	0.00304	0.00101	"	0.101	ND	3.01	80-120	155	20	S-GC1
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.121*		*99.1*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.118*		*"*	*0.121*		*97.0*	*80-120*			

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4G2606 - * DEFAULT PREP *** **										
Blank (P4G2606-BLK1)				Prepared & Analyzed: 07/26/24						
Chloride	ND	1.00	mg/kg							
LCS (P4G2606-BS1)				Prepared & Analyzed: 07/26/24						
Chloride	21.9		mg/kg	20.0		109	90-110			
LCS Dup (P4G2606-BSD1)				Prepared & Analyzed: 07/26/24						
Chloride	18.6		mg/kg	20.0		92.8	90-110	16.4	10	R2
Calibration Check (P4G2606-CCV1)				Prepared & Analyzed: 07/26/24						
Chloride	21.4		mg/kg	20.0		107	90-110			
Calibration Check (P4G2606-CCV2)				Prepared: 07/26/24 Analyzed: 07/29/24						
Chloride	19.0		mg/kg	20.0		95.1	90-110			
Matrix Spike (P4G2606-MS1)		**Source: 4G25016-15**		Prepared & Analyzed: 07/26/24						
Chloride	104		mg/kg	100	0.121	104	80-120			
Matrix Spike (P4G2606-MS2)		**Source: 4G26003-09**		Prepared & Analyzed: 07/26/24						
Chloride	108		mg/kg	100	0.243	107	80-120			
Matrix Spike Dup (P4G2606-MSD1)		**Source: 4G25016-15**		Prepared & Analyzed: 07/26/24						
Chloride	103		mg/kg	100	0.121	103	80-120	0.914	20	
Matrix Spike Dup (P4G2606-MSD2)		**Source: 4G26003-09**		Prepared & Analyzed: 07/26/24						
Chloride	111		mg/kg	100	0.243	111	80-120	3.07	20	
Batch P4G2909 - * DEFAULT PREP *** **										
Blank (P4G2909-BLK1)				Prepared & Analyzed: 07/29/24						
% Moisture	ND	0.1	%							

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4G2909 - * DEFAULT PREP *** **										
Blank (P4G2909-BLK2)				Prepared & Analyzed: 07/29/24						
% Moisture	ND	0.1	%							
Blank (P4G2909-BLK3)				Prepared & Analyzed: 07/29/24						
% Moisture	ND	0.1	%							
Duplicate (P4G2909-DUP1)		**Source: 4G25016-10**		Prepared & Analyzed: 07/29/24						
% Moisture	11.0	0.1	%		9.0			20.0	20	
Duplicate (P4G2909-DUP2)		**Source: 4G26001-04**		Prepared & Analyzed: 07/29/24						
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P4G2909-DUP3)		**Source: 4G26003-13**		Prepared & Analyzed: 07/29/24						
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P4G2909-DUP4)		**Source: 4G26006-05**		Prepared & Analyzed: 07/29/24						
% Moisture	1.0	0.1	%		1.0			0.00	20	

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

Notes and Definitions

S-GC1	Surrogate recovery outside of control limits. A second analysis confirmed the original results..
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
ROI	Received on Ice
R2	The RPD exceeded the acceptance limit.
NPBEL C(	Chain of Custody was not generated at PBELAB
BULK	Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 7/30/2024

Brent Barron, Laboratory Director/Technical Director

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

Chain of Custody

Work Order No: 4G260006

Page 1 of 1

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 ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Corvo Federal 3H Flowline (06.28.24)	Turn Around	
Project Number:	2368	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	48 HR
Sampler's Name:	JR		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes No
Received Intact:	(Yes) No	Thermometer ID:	L3
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	NCF
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-5.9
Total Containers:		Corrected Temperature:	-5.9

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0	Sample Comments
CS-1 (4')	7/25/2024		X		C	1		X	X	X	1
CS-2 (4')	7/25/2024		X		C	1		X	X	X	2
SW-1 (4')	7/25/2024		X		C	1		X	X	X	3
SW-2 (4')	7/25/2024		X		C	1		X	X	X	4
SW-3 (4')	7/25/2024		X		C	1		X	X	X	5
SW-4 (4')	7/25/2024		X		C	1		X	X	X	6

Preservative Codes

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

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Conner Moehring	7/26/24 14:38	Tasha Bledsoe	7/26/24 14:38

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
1400 Rankin Hwy
Midland, TX 79701

PBELAB

Analytical Report

Prepared for:

Conner Moehring

Carmona Resources

310 West W Wall Ste. 415

Midland, TX 79701

Project: Corvo Federal 3H Flowline (06.28.24)

Project Number: 2368

Location: Lea County, NM

Lab Order Number: 4G26007

NELAP ACCREDITED TNI LABORATORY

Current Certification

Report Date: 07/30/24

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Nadine Pit	4G26007-01	Soil	07/25/24 00:00	07-26-2024 14:40

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

Nadine Pit

4G26007-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P4G2607	07/26/24 15:06	07/29/24 12:24	EPA 8021B	
Toluene	ND	0.00101	mg/kg dry	1	P4G2607	07/26/24 15:06	07/29/24 12:24	EPA 8021B	
Ethylbenzene	ND	0.00101	mg/kg dry	1	P4G2607	07/26/24 15:06	07/29/24 12:24	EPA 8021B	
Xylene (p/m)	ND	0.00202	mg/kg dry	1	P4G2607	07/26/24 15:06	07/29/24 12:24	EPA 8021B	
Xylene (o)	ND	0.00101	mg/kg dry	1	P4G2607	07/26/24 15:06	07/29/24 12:24	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		*94.8 %*	*80-120*		*P4G2607*	*07/26/24 15:06*	*07/29/24 12:24*	*EPA 8021B*	
Surrogate: 1,4-Difluorobenzene		*97.7 %*	*80-120*		*P4G2607*	*07/26/24 15:06*	*07/29/24 12:24*	*EPA 8021B*	
Organics by GC									
Gasoline Range Organics	ND	25.3	mg/kg dry	1	P4G2608	07/26/24 15:33	07/27/24 02:01	EPA 8015M	
Diesel Range Organics	ND	25.3	mg/kg dry	1	P4G2608	07/26/24 15:33	07/27/24 02:01	EPA 8015M	
Mineral Oil Range Organics	ND	25.3	mg/kg dry	1	P4G2608	07/26/24 15:33	07/27/24 02:01	EPA 8015M	
Surrogate: 1-Chlorooctane		*71.3 %*	*70-130*		*P4G2608*	*07/26/24 15:33*	*07/27/24 02:01*	*EPA 8015M*	
Surrogate: o-Terphenyl		*76.1 %*	*70-130*		*P4G2608*	*07/26/24 15:33*	*07/27/24 02:01*	*EPA 8015M*	
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**45.3**	1.01	mg/kg dry	1	P4G2606	07/26/24 15:59	07/27/24 00:42	EPA 300.0	
% Moisture	**1.0**	0.1	%	1	P4G2909	07/29/24 13:43	07/29/24 13:44	ASTM D2216	

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4G2607 - * DEFAULT PREP *** **										
Blank (P4G2607-BLK1)				Prepared: 07/26/24 Analyzed: 07/29/24						
Benzene	ND	0.00100	mg/kg							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	*0.114*		"	*0.120*		*94.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.104*		"	*0.120*		*86.7*	*80-120*			
LCS (P4G2607-BS1)				Prepared: 07/26/24 Analyzed: 07/29/24						
Benzene	0.106	0.00100	mg/kg	0.100		106	80-120			
Toluene	0.103	0.00100	"	0.100		103	80-120			
Ethylbenzene	0.116	0.00100	"	0.100		116	80-120			
Xylene (p/m)	0.200	0.00200	"	0.200		100	80-120			
Xylene (o)	0.0992	0.00100	"	0.100		99.2	80-120			
Surrogate: 4-Bromofluorobenzene	*0.113*		"	*0.120*		*94.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.125*		"	*0.120*		*104*	*80-120*			
LCS Dup (P4G2607-BSD1)				Prepared: 07/26/24 Analyzed: 07/29/24						
Benzene	0.0913	0.00100	mg/kg	0.100		91.3	80-120	15.1	20	
Toluene	0.0939	0.00100	"	0.100		93.9	80-120	9.10	20	
Ethylbenzene	0.101	0.00100	"	0.100		101	80-120	14.5	20	
Xylene (p/m)	0.179	0.00200	"	0.200		89.6	80-120	11.1	20	
Xylene (o)	0.0938	0.00100	"	0.100		93.8	80-120	5.62	20	
Surrogate: 1,4-Difluorobenzene	*0.127*		"	*0.120*		*106*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.0991*		"	*0.120*		*82.6*	*80-120*			
Calibration Blank (P4G2607-CCB1)				Prepared & Analyzed: 07/26/24						
Benzene	0.00		ug/kg							
Toluene	0.240		"							
Ethylbenzene	0.130		"							
Xylene (p/m)	0.190		"							
Xylene (o)	0.00		"							
Surrogate: 1,4-Difluorobenzene	*0.122*		"	*0.120*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.0998*		"	*0.120*		*83.1*	*80-120*			

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

BTEX by 8021B - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4G2607 - * DEFAULT PREP *** **										
Calibration Check (P4G2607-CCV1)				Prepared & Analyzed: 07/26/24						
Benzene	0.107	0.00100	mg/kg	0.100		107	80-120			
Toluene	0.102	0.00100	"	0.100		102	80-120			
Ethylbenzene	0.104	0.00100	"	0.100		104	80-120			
Xylene (p/m)	0.184	0.00200	"	0.200		92.1	80-120			
Xylene (o)	0.0977	0.00100	"	0.100		97.7	80-120			
Surrogate: 1,4-Difluorobenzene	*0.123*		*"*	*0.120*		*102*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.103*		*"*	*0.120*		*86.0*	*75-125*			
Calibration Check (P4G2607-CCV2)				Prepared: 07/26/24 Analyzed: 07/29/24						
Benzene	0.107	0.00100	mg/kg	0.100		107	80-120			
Toluene	0.101	0.00100	"	0.100		101	80-120			
Ethylbenzene	0.0991	0.00100	"	0.100		99.1	80-120			
Xylene (p/m)	0.193	0.00200	"	0.200		96.7	80-120			
Xylene (o)	0.0961	0.00100	"	0.100		96.1	80-120			
Surrogate: 1,4-Difluorobenzene	*0.128*		*"*	*0.120*		*107*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.114*		*"*	*0.120*		*94.6*	*75-125*			
Matrix Spike (P4G2607-MS1)		**Source: 4G26006-05**		Prepared: 07/26/24 Analyzed: 07/29/24						
Benzene	0.0248	0.00101	mg/kg dry	0.101	ND	24.6	80-120			S-GC1
Toluene	0.0175	0.00101	"	0.101	ND	17.3	80-120			S-GC1
Ethylbenzene	0.0213	0.00101	"	0.101	ND	21.1	80-120			S-GC1
Xylene (p/m)	0.0204	0.00202	"	0.202	ND	10.1	80-120			S-GC1
Xylene (o)	0.0242	0.00101	"	0.101	ND	24.0	80-120			S-GC1
Surrogate: 1,4-Difluorobenzene	*0.122*		*"*	*0.121*		*100*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.127*		*"*	*0.121*		*105*	*80-120*			
Matrix Spike Dup (P4G2607-MSD1)		**Source: 4G26006-05**		Prepared: 07/26/24 Analyzed: 07/29/24						
Benzene	0.00105	0.00101	mg/kg dry	0.101	ND	1.04	80-120	184	20	S-GC1
Toluene	0.000848	0.00101	"	0.101	ND	0.840	80-120	182	20	S-GC1
Ethylbenzene	0.00212	0.00101	"	0.101	ND	2.10	80-120	164	20	S-GC1
Xylene (p/m)	0.00512	0.00202	"	0.202	ND	2.54	80-120	120	20	S-GC1
Xylene (o)	0.00304	0.00101	"	0.101	ND	3.01	80-120	155	20	S-GC1
Surrogate: 4-Bromofluorobenzene	*0.118*		*"*	*0.121*		*97.0*	*80-120*			
Surrogate: 1,4-Difluorobenzene	*0.120*		*"*	*0.121*		*99.1*	*80-120*			

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4G2606 - * DEFAULT PREP *** **										
Blank (P4G2606-BLK1)				Prepared & Analyzed: 07/26/24						
Chloride	ND	1.00	mg/kg							
LCS (P4G2606-BS1)				Prepared & Analyzed: 07/26/24						
Chloride	21.9		mg/kg	20.0		109	90-110			
LCS Dup (P4G2606-BSD1)				Prepared & Analyzed: 07/26/24						
Chloride	18.6		mg/kg	20.0		92.8	90-110	16.4	10	R2
Calibration Check (P4G2606-CCV1)				Prepared & Analyzed: 07/26/24						
Chloride	21.4		mg/kg	20.0		107	90-110			
Calibration Check (P4G2606-CCV2)				Prepared: 07/26/24 Analyzed: 07/29/24						
Chloride	19.0		mg/kg	20.0		95.1	90-110			
Matrix Spike (P4G2606-MS1)		**Source: 4G25016-15**		Prepared & Analyzed: 07/26/24						
Chloride	104		mg/kg	100	0.121	104	80-120			
Matrix Spike (P4G2606-MS2)		**Source: 4G26003-09**		Prepared & Analyzed: 07/26/24						
Chloride	108		mg/kg	100	0.243	107	80-120			
Matrix Spike Dup (P4G2606-MSD1)		**Source: 4G25016-15**		Prepared & Analyzed: 07/26/24						
Chloride	103		mg/kg	100	0.121	103	80-120	0.914	20	
Matrix Spike Dup (P4G2606-MSD2)		**Source: 4G26003-09**		Prepared & Analyzed: 07/26/24						
Chloride	111		mg/kg	100	0.243	111	80-120	3.07	20	
Batch P4G2909 - * DEFAULT PREP *** **										
Blank (P4G2909-BLK1)				Prepared & Analyzed: 07/29/24						
% Moisture	ND	0.1	%							

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4G2909 - * DEFAULT PREP *** **										
Blank (P4G2909-BLK2)				Prepared & Analyzed: 07/29/24						
% Moisture	ND	0.1	%							
Blank (P4G2909-BLK3)				Prepared & Analyzed: 07/29/24						
% Moisture	ND	0.1	%							
Duplicate (P4G2909-DUP1)		**Source: 4G25016-10**		Prepared & Analyzed: 07/29/24						
% Moisture	11.0	0.1	%		9.0			20.0	20	
Duplicate (P4G2909-DUP2)		**Source: 4G26001-04**		Prepared & Analyzed: 07/29/24						
% Moisture	2.0	0.1	%		2.0			0.00	20	
Duplicate (P4G2909-DUP3)		**Source: 4G26003-13**		Prepared & Analyzed: 07/29/24						
% Moisture	8.0	0.1	%		8.0			0.00	20	
Duplicate (P4G2909-DUP4)		**Source: 4G26006-05**		Prepared & Analyzed: 07/29/24						
% Moisture	1.0	0.1	%		1.0			0.00	20	

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

Notes and Definitions

S-GC1	Surrogate recovery outside of control limits. A second analysis confirmed the original results..
ROI	Received on Ice
R2	The RPD exceeded the acceptance limit.
NPBEL C(	Chain of Custody was not generated at PBELAB
BULK	Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 7/30/2024

Brent Barron, Laboratory Director/Technical Director

Carmona Resources	Project: Corvo Federal 3H Flowline (06.28.24)
310 West W Wall Ste. 415	Project Number: 2368
Midland TX, 79701	Project Manager: Conner Moehring

Chain of Custody

Work Order No: 4GZ4007

Page 1 of 1

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 ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of Project:

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

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Corvo Federal 3H Flowline (06.28.24)	Turn Around	
Project Number:	2368	☐ Routine	☑ Rush
Project Location	Lea County, New Mexico	Due Date:	48 HR
Sampler's Name:	JR		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Received Intact:	(Yes) No	Thermometer ID:	L3
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	NCF
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	-5.9
Total Containers:		Corrected Temperature:	-5.9

ANALYSIS REQUEST

Sample Identification	Date	Time	Soil	Water	Grab/ Comp	# of Cont	Pres. Code	Parameters	BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 300.0
Nadine Pit	7/25/2024		X		C	1			X	X	X

Preservative Codes

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

Sample Comments

1

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

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Conner Moehring	7/26/24	Myra Bledsoe	7/26/24 14:40

APPENDIX F

CARMONA RESOURCES

Soil Map—Lea County, New Mexico

Map Scale: 1:197 if printed on A portrait (8.5" x 11") sheet.

N

Meters
0 2 5 10 15

Feet
0 5 10 20 30

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 20, Sep 6, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
MF	Maljamar and Palomas fine sands, 0 to 3 percent slopes	0.1	100.0%
Totals for Area of Interest		**0.1**	**100.0%**

Lea County, New Mexico

MF—Maljamar and Palomas fine sands, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: dmqb
Elevation: 3,000 to 3,900 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Maljamar and similar soils: 46 percent
Palomas and similar soils: 44 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Maljamar

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 24 inches: fine sand
Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 40 to 60 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 7e

Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Palomas

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from sandstone

Typical profile

A - 0 to 16 inches: fine sand
Bt - 16 to 60 inches: sandy clay loam
Bk - 60 to 66 inches: sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 45 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Moderate (about 7.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 5 percent
Ecological site: R070BC022NM - Sandhills
Hydric soil rating: No

Wink

Percent of map unit: 5 percent
Ecological site: R070BD003NM - Loamy Sand

Map Unit Description: Maljamar and Palomas fine sands, 0 to 3 percent slopes---Lea County, New Mexico

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 20, Sep 6, 2023

BLM SERIAL #:

COMPANY REFERENCE:

3.3 Seed Mixture 2, for Sandy Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law (s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

Species	lb/acre
Sand dropseed (Sporobolus cryptandrus)	1.0
Sand love grass (Eragrostis trichodes)	1.0
Plains bristlegrass (Setaria macrostachya)	2.0

*Pounds of pure live seed: Pounds of seed **x** percent purity **x** percent germination = pounds pure live seed

NE E SE S
30 60 90 120 150 180

104°E (T) 32.181996°, -103.702485° ±13ft 3511ft

Bamert Seed Company Inc.

1897 CR 1018 Muleshoe, TX 79347 (800) 262-9892 Permit # TX00905

BLM #2 Lot/Sales # SO-82283

Kind & Variety	Pure Seed	Germ	Dormant	Hard Seed	Origin
Bristlegrass Plains, (Setaria vulpiseta)	45.97%	31.00%	64.00%	0.00%	OK
Dropseed, Sand (Sporobolus cryptandrus)	22.75%	74.00%	22.00%	0.00%	TX
Lovegrass Sand, "Bend" (Eragrostis trichodes)	22.06%	90.00%	9.00%	0.00%	TX

Purity: 90.78% Inert Matter: 9.20% Other Crop Seed: 0.02% Weed Seed: 0.01%

Noxious Weed Seed Per/Lb: None Test Date: 04/2024 Net Wt: ~~35 lbs~~ 2165

CORVO FED 3H FLOWLINE-

COG - Corvo Federal 3H Flowline
26 Jul 2024, 16:53:31

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
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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QUESTIONS

Action 375065

QUESTIONS

Operator: COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	OGRID: 217955
	Action Number: 375065
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2418437320**
Incident Name	**NAPP2418437320 CORVO FEDERAL 003H @ 0**
Incident Type	**Release Other**
Incident Status	**Reclamation Report Received**
Incident Facility	**[fAPP2203846438] Corvo Federal 4H RT BTTY**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Corvo Federal 003H
Date Release Discovered	06/28/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Corrosion | Flow Line - Production | Crude Oil | Released: 1 BBL | Recovered: 0 BBL | Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion | Flow Line - Production | Produced Water | Released: 1 BBL | Recovered: 0 BBL | Lost: 1 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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 (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)	**More info needed to determine if this will be treated as a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	*Unavailable.*
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

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

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

I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 07/02/2024

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QUESTIONS (continued)

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QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	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	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
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)	22000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	7321
GRO+DRO (EPA SW-846 Method 8015M)	6350
BTEX (EPA SW-846 Method 8021B or 8260B)	68.9
Benzene (EPA SW-846 Method 8021B or 8260B)	2
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	07/25/2024
On what date will (or did) the final sampling or liner inspection occur	07/25/2024
On what date will (or was) the remediation complete(d)	07/26/2024
What is the estimated surface area (in square feet) that will be reclaimed	226
What is the estimated volume (in cubic yards) that will be reclaimed	80
What is the estimated surface area (in square feet) that will be remediated	226
What is the estimated volume (in cubic yards) that will be remediated	80
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

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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	Corvo Federal 2H RT BTTY [fAPP2203846542]
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: 08/19/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

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QUESTIONS

Deferral Requests Only *Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.*	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

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QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**366512**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**07/25/2024**
What was the (estimated) number of samples that were to be gathered	**6**
What was the sampling surface area in square feet	**350**

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	226
What was the total volume (cubic yards) remediated	80
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	226
What was the total volume (in cubic yards) reclaimed	0
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.

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I hereby agree and sign off to the above statement	Name: Brittany Esparza Title: Environmental Technician Email: brittany.Esparza@ConocoPhillips.com Date: 08/19/2024

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QUESTIONS (continued)

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QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	226
What was the total volume of replacement material (in cubic yards) for this site	80
Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	07/26/2024
Summarize any additional reclamation activities not included by answers (above)	BLM Seed mix #2
The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.	
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QUESTIONS (continued)

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QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	No
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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CONDITIONS

Action 375065

CONDITIONS

Operator:	OGRID:
COG PRODUCTION, LLC 600 W. Illinois Ave Midland, TX 79701	217955
	Action Number: 375065
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure/Reclamation Report for Incident #NAPP2418437320 CROVO FEDERAL 003H, thank you. This Remediation Closure/Reclamation Report is approved.	9/9/2024