CARMONA RESOURCES

SITE INFORMATION

Closure Report
Federal 26 A No. 1
Incident ID NAPP2123935327
Lea County, New Mexico
Unit N Sec 26 T18S R33E
32.713021°, -103.635650°

Produced Water Release
Point of Release: Lightning strike hit battery
Release Date: 08/09/2021
Volume Released: 1.0 barrels of Produced Water
Volume Recovered: 0 barrels of Produced Water

CARMONA RESOURCES

Prepared for:
Fasken Oil and Ranch, Ltd
6101 Holiday Hill Road,
Midland, Texas 79707

Prepared by:
Carmona Resources, LLC
310 West Wall Street
Suite 415
Midland, Texas 79701

310 West Wall Street, Suite 415
Midland TX, 79701
432.813.1992

CARMONA RESOURCES

TABLE OF CONTENTS

310 West Wall Street, Suite 415
Midland TX, 79701
432.813.1992

CARMONA RESOURCES

August 29, 2022

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

Re: Closure Report
Federal 26 A No. 1
Fasken Oil and Ranch, Ltd
Incident ID NAPP2123935327
Site Location: Unit N, S26, T18S, R33E
(Lat 32.713021º, Long -103.635650º)
Lea County, New Mexico

To whom it may concern:

On behalf of Fasken Oil and Ranch, Ltd, (Fasken), Carmona Resources, LLC has prepared this letter to document site activities for Federal 26 A No. 1. The site is located at 32.713021º, -103.635650º within Unit N, S26, T18S, R33E, in Eddy County, New Mexico (Figures 1 and 2).

1.0 Site information and Background

Based on the initial C-141 obtained from the New Mexico Oil Conservation Division (NMOCD), the release was discovered on August 9, 2021, due to a lightning strike hitting the tank battery, causing the water tank to burn. It resulted in the release of approximately one (1) barrel of produced water, and zero (0) barrels of produced water were recovered. See figure 3 for the area of concern located on the pad. 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, no known water source is located within a 0.50-mile radius of the location. The closest well is approximately 1.34 miles North of the site in S23, T18S, R33E and was drilled in 1981. The well has a reported depth to groundwater of 47.63' feet below the ground surface (ft bgs). A copy of the associated Summary report is attached in Appendix D.

On July 29, 2022, Scarborough Drilling, Inc was onsite to drill a groundwater determination bore to 55' below the ground surface. The bore was left open for 72 hours and tagged with a water level meter. No water was detected at 55' below the surface. The coordinates for the groundwater determination bore are 32.712635 º, -103.641445 º. See Appendix D for the driller's log.

3.0 Site Characterization and Groundwater

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

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

310 West Wall Street, Suite 415
Midland TX, 79701
432.813.1992

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4.0 Site Assessment Activities

On August 11, 2021, Fasken performed site assessment activities to evaluate soil impacts stemming from the release. A total of two (2) sample points were advanced to depths ranging from the surface – 1' bgs inside the release area to evaluate the vertical extent. See Figure 3 for the soil sample locations. For chemical analysis, the soil samples were collected and placed directly into laboratory-provided sample containers, stored on ice, and transported under the proper chain-of-custody protocol to Eurofins Laboratories in Midland, Texas. The samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method 8015 and chloride by EPA method 300.0. The laboratory reports, including analytical methods, results, and chain-of-custody documents, are attached in Appendix E. Refer to Table 1.

5.0 Conclusions

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

Sincerely,
Carmona Resources, LLC

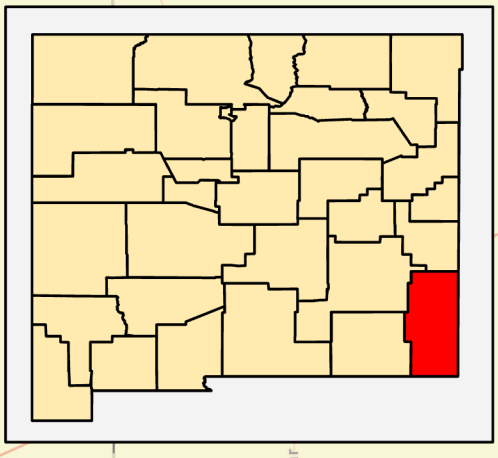
Mike Carmona
Environmental Manager

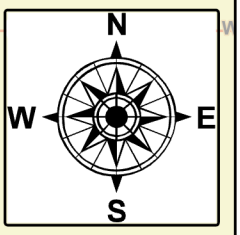
Conner Moehring
Sr Project Manager

310 West Wall Street, Suite 415
Midland TX, 79701
432.813.1992

FIGURES

CARMONA RESOURCES





W US Highway 82

W US Highway 82

Majamar

Duda Rd

529

529

529

180

W US Highway 62 180

180

Halfway

180

176

Lea

0 2 4 8 Miles

Legend

Site Location

OVERVIEW MAP
FASKEN OIL AND RANCH
FEDERAL 26 A NO.1 BATTERY
LEA COUNTY, NEW MEXICO
32.713021 -103.635650

SCALE: As Shown

Date: 8/10/2022

CARMONA RESOURCES

Carmona Resources
310 West Wall Street, Suite 415
Midland, Texas 79701

NOTES:

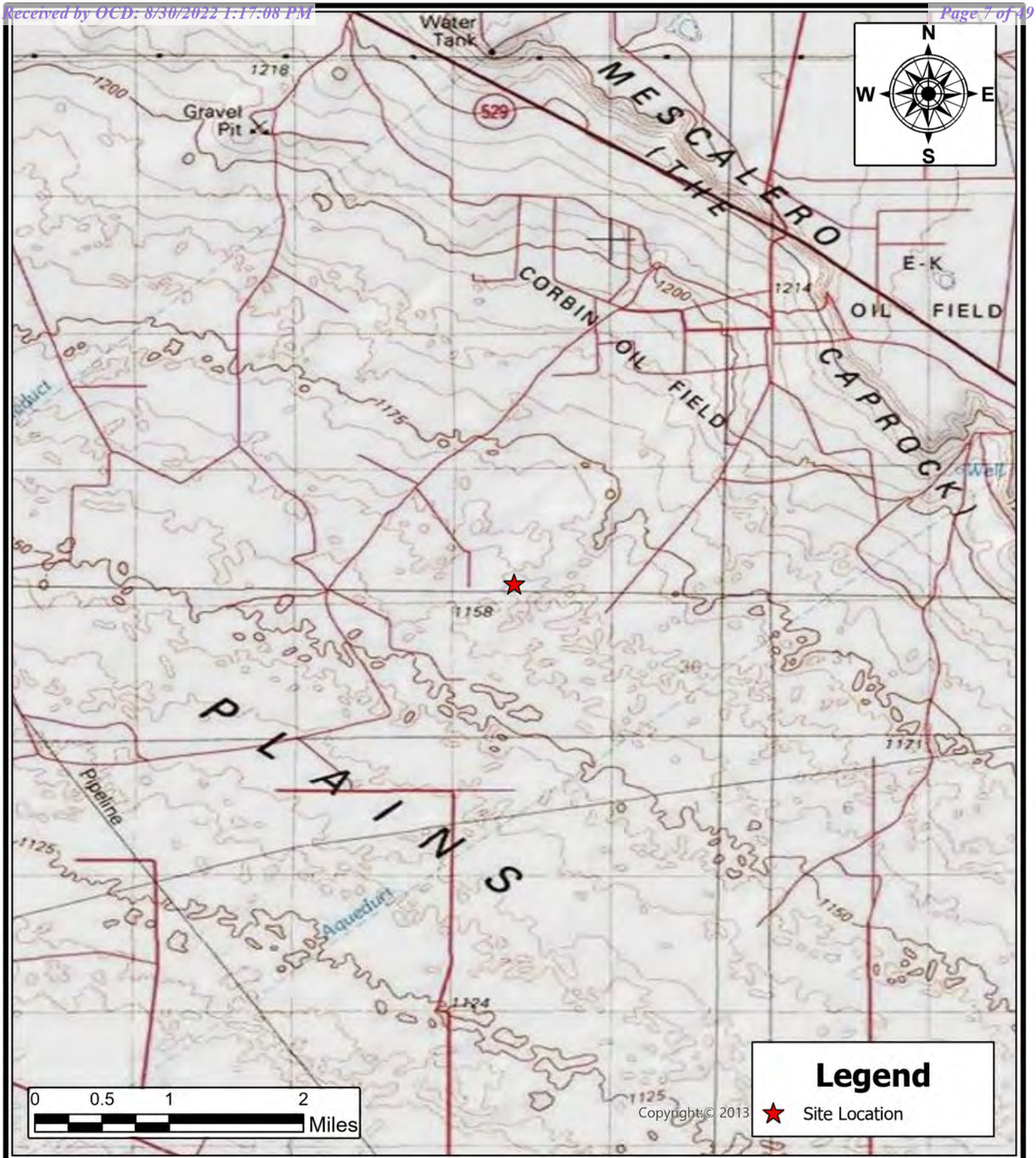
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

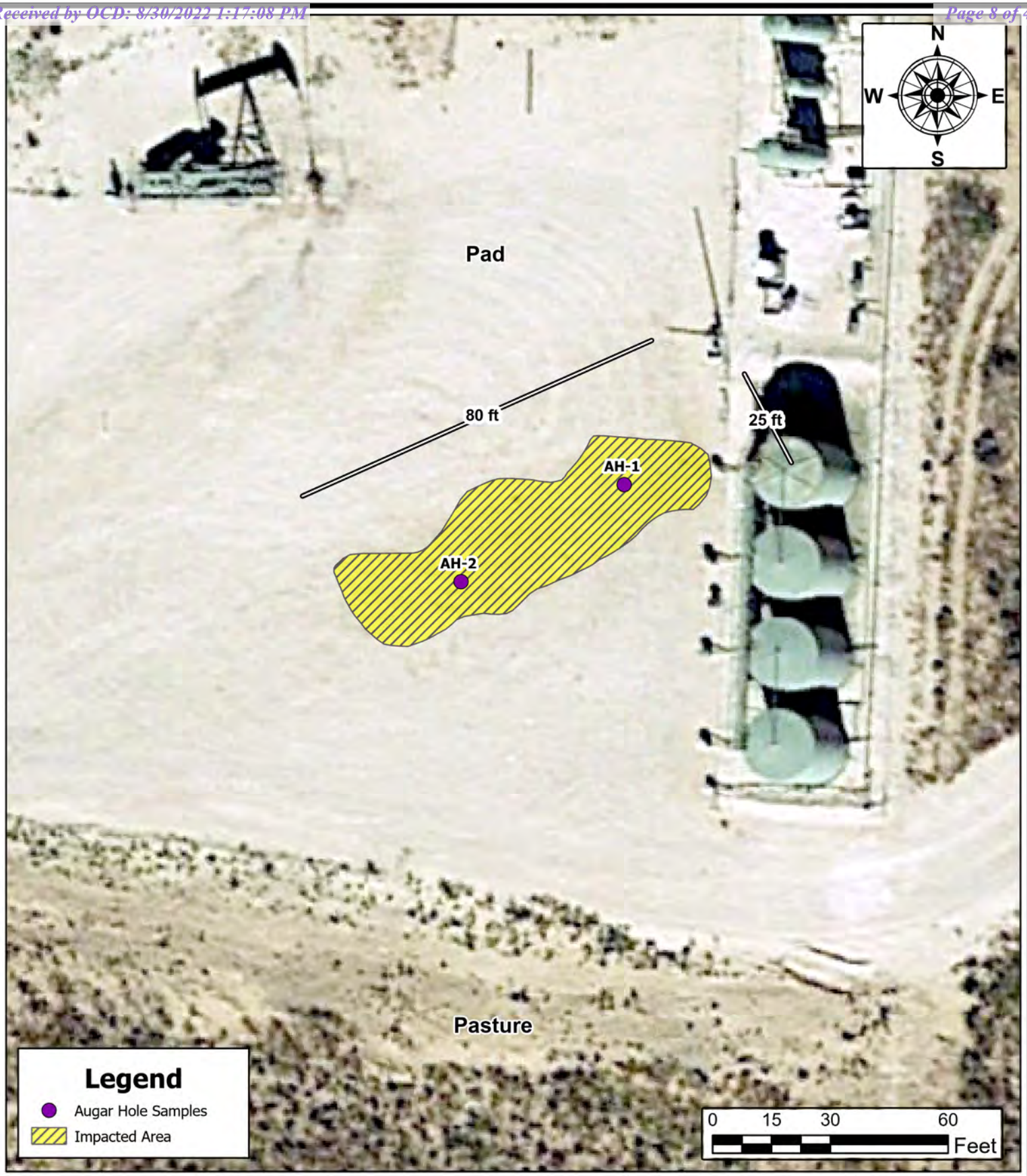
FIGURE 1

SHEET NUMBER:

1 of 1



TOPOGRAPHIC MAP **FASKEN OIL AND RANCH** FEDERAL 26 A NO.1 BATTERY LEA COUNTY, NEW MEXICO 32.713021 -103.635650	**Carmona Resources** 310 West Wall Street, Suite 415 Midland, Texas 79701	NOTES: 1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983 UTM Zone 13N	DRAWING NUMBER: **FIGURE 2**
SCALE: As Shown / Date: 8/10/2022			SHEET NUMBER: **1 of 1**



SAMPLE LOCATION MAP
FASKEN OIL AND RANCH
FEDERAL 26 A NO.1 BATTERY
LEA COUNTY, NEW MEXICO
32.713021 -103.635650

SCALE: As Shown | Date: 8/10/2022

CARMONA RESOURCES

Carmona Resources
310 West Wall Street, Suite 415
Midland, Texas 79701

NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:
FIGURE 3
SHEET NUMBER:
1 of 1

APPENDIX A

CARMONA RESOURCES

Table 1
Fasken Oil and Ranch
Federal 26 A No.1
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						
AH-1	8/11/2021	0-1	<49.8	<49.8	<49.8	<49.8	-	-	-	-	-	70
AH-2	8/11/2021	0-1	<49.8	<49.8	<49.8	<49.8	-	-	-	-	-	900
Regulatory Criteria [A]			**1,000 mg/kg**		-	**2,500 mg/kg**	**10 mg/kg**	-	-	-	**50 mg/kg**	**10,000 mg/kg**

(-) Not Analyzed

[A] – Table 1 - 19.15.29 NMAC

mg/kg - milligram per kilogram

TPH- Total Petroleum Hydrocarbons

ft-feet

(AH) Auger Hole

APPENDIX B

CARMONA RESOURCES

nAPP2123935327
Fire – Water Release
Impacted Area August 11, 2021


08/11/2021 10:29


08/11/2021 10:30


09/09/2021 16:06


09/09/2021 16:06


09/09/2021 16:04


09/09/2021 16:08

APPENDIX C

CARMONA RESOURCES

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company : Fasken Oil And Ranch, Ltd	Contact: Grant Huckabay
Address: 6101 Holiday Hill Road, Midland, TX 79707	Telephone No.: 432-687-1777
Facility Name: Federal 26 A No. 1	Facility Type: Tank Battery

Surface Owner: Federal	Mineral Owner: Federal	Lease No.: 22213

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	26	18S	33E	660	South	1980	West	Lea

Latitude 32.7131348 **Longitude** -103.6358948

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: <1 bbl	Volume Recovered: 0
Source of Release: Water tank	Date and Hour of Occurrence 8/9/21 8:00 PM	Date and Hour of Discovery 8/9/21 8:45 PM
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? By e-mail to BLM_NM_CFO_spill@blm.gov and ocd.enviro@state.nm.us	
By Whom? Addison Guelker (Addisong@forl.com)	Date and Hour: 8/10/21 2:33 PM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Not Applicable

Describe Cause of Problem and Remedial Action Taken.*
Battery was hit by lightning. Fire Department was called and extinguished fire.

Describe Area Affected and Cleanup Action Taken.*
Less than 1 barrel of water spilled outside of water tank. The tank burned to water level. We removed all fluids and disposed of tank.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature:	OIL CONSERVATION DIVISION	
Printed Name: Grant Huckabay	Approved by Environmental Specialist:	
Title: HSE Coordinator	Approval Date:	Expiration Date:
E-mail Address: granth@forl.com	Conditions of Approval:	Attached ☐ 1RP-2197
Date: 8/2/21 Phone:432-687-1777		

* Attach Additional Sheets If Necessary

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2123935327
District RP	
Facility ID	
Application ID	

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

Printed Name: Addison Guelker Title: Environmental Tech

Signature: Addison Guelker Date: 08/29/2022

email: addisong@forl.com Telephone: 432-687-1777

OCD Only

Received by: Jocelyn Harimon Date: 08/30/2022

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2123935327
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: Addison Guelker Title: Environmental Tech

Signature: Addison Guelker Date: 08/29/22

email: addisong@forl.com Telephone: 432-687-1777

OCD Only

Received by: Jocelyn Harimon Date: 08/31/2022

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: Jennifer Nobui Date: 09/07/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

APPENDIX D

CARMONA RESOURCES

Nearest Water Well Map

Fasken Oil and Ranch

110' - Drilled 2021

47.63' - Drilled 1981

GWDB - 55'

Federal 26 A No.1

177.35' - Drilled 1958

Legend

- 0.35 Miles
- 0.50 Miles Radius
- 1.34 Miles
- 1.46 Miles
- 1.67 Miles
- Federal 26 A No.1
- GWDB - 55'
- NMSEO Water Well
- USGS Water Well

N

4000 ft

Google Earth

CARMONA RESOURCES

Project Name :	**Federal 26A Flare**	**Date :**	**Friday, July 29, 2022**
Project No. :	**1083**	**Sampler :**	**Lane Scarborough**
Location :	**Lea County, New Mexico**		
Coordinates :	**32.712635, -103.641445**	**Driller :**	**Scarborough Drilling**
Elevation :	**3,804**	**Method :**	**Air Rotary**

Depth (ft.)	WL	Soil Description	Lithology
0		(0'-5') - White well graded gravel, w/ <50% loose, coarse sand and caliche, no organics, dry (GW).	
5		(5') - Brown fine-medium loose sand, dry, some organics, no odor (SM).	
10		(10') - Brown fine-medium loose sand, dry, some organics, no odor (SM).	
15		(15') - Brown fine-medium loose sand, dry, no organics, no odor (SM).	
20		(20') - Brown fine-medium loose sand, dry, no organics, no odor (SM).	
25		(25') - Brown fine-medium loose sand, dry, no organics, no odor (SM).	
30		(30') - Brown fine-medium loose sand, dry, no organics, no odor (SM).	
35		(35') - Brown fine-medium loose sand, dry, no organics, no odor (SM).	
40		(40') - Brown fine-medium loose sand, dry, no organics, no odor (SM).	
45		(45') - Brown fine-medium loose sand, dry, no organics, no odor (SM).	
50			

Depth (ft.)	WL	Soil Description	Lithology
50		(50') - Brown fine-medium loose sand, dry, no organics, no odor (SM).	
55		(55') - Brown fine-medium loose sand, dry, no organics, no odor (SM).	
60			
65			
70			
75			
80			
85			
90			
95			
105			

Comments : *Boring terminated at 55' with no presence of groundwater or moisture. Boring was left open for over 72 hours and measured with a Heron Water Meter on August 3, 2020. No presence of groundwater was detected.*

LOW KARST

FASKEN OIL AND RANCH

Legend

Federal 26A Flare

Low

125

529

529

Federal 26A Flare

529

55

N

2 mi

Google Earth

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	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 04548 POD1	CUB	LE	1	2	1	01	26S	32E	628238	3622599	2332		110	
CP 01584 POD1	CP	LE	2	1	3	30	18S	34E	630654	3620788	2828	500		
CP 00691	CP	LE	4	4	2	24	18S	33E	630327	3622662*	3412	215	195	20
CP 00813 POD1	CP	LE			1	33	18S	33E	624441	3619644*	3488	300		
L 07429	L	LE	1	1	1	19	18S	34E	630523	3623272*	3988	149	105	44

Average Depth to Water: **136 feet**

Minimum Depth: **105 feet**

Maximum Depth: **195 feet**

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 627867.96 **Northing (Y):** 3620296 **Radius:** 4000

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

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04548 POD1	1	2	1	01	26S	32E	628238	3622599

Driller License: 1249 **Driller Company:** ATKINS ENGINEERING ASSOC. INC.

Driller Name: ATKINS, JACKIE D.UELENER

Drill Start Date:	07/13/2021	**Drill Finish Date:**	07/13/2021	**Plug Date:**	07/19/2021
Log File Date:	08/02/2021	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	0 GPM
Casing Size:		**Depth Well:**		**Depth Water:**	110 feet

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

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- Full News

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 324354103374801

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 324354103374801 18S.33E.23.23140

Lea County, New Mexico
Latitude 32°43'54", Longitude 103°37'48" NAD27
Land-surface elevation 3,871 feet above NAVD88
The depth of the well is 58 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1965-12-01		D	62610		3824.40	NGVD29	1	Z		
1965-12-01		D	62611		3826.03	NAVD88	1	Z		
1965-12-01		D	72019	44.97			1	Z		
1968-03-06		D	62610		3823.11	NGVD29	1	Z		
1968-03-06		D	62611		3824.74	NAVD88	1	Z		
1968-03-06		D	72019	46.26			1	Z		
1971-02-09		D	62610		3823.72	NGVD29	1	Z		
1971-02-09		D	62611		3825.35	NAVD88	1	Z		
1971-02-09		D	72019	45.65			1	Z		
1976-02-17		D	62610		3823.06	NGVD29	1	Z		
1976-02-17		D	62611		3824.69	NAVD88	1	Z		
1976-02-17		D	72019	46.31			1	Z		
1981-02-20		D	62610		3821.74	NGVD29	1	Z		
1981-02-20		D	62611		3823.37	NAVD88	1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1981-02-20		D	72019	47.63			1	Z		

Explanation

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

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices
U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-07-25 10:02:46 EDT
0.31 0.24 nadww01

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: New Mexico | GO

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 324224103394901

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 324224103394901 18S.33E.33.21131

Lea County, New Mexico
Latitude 32°42'24", Longitude 103°39'49" NAD27
Land-surface elevation 3,769 feet above NAVD88
The depth of the well is 200 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1958-12-09		D	62610		3590.05	NGVD29	1	Z		
1958-12-09		D	62611		3591.65	NAVD88	1	Z		
1958-12-09		D	72019	177.35			1	Z		

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static

Section	Code	Description
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

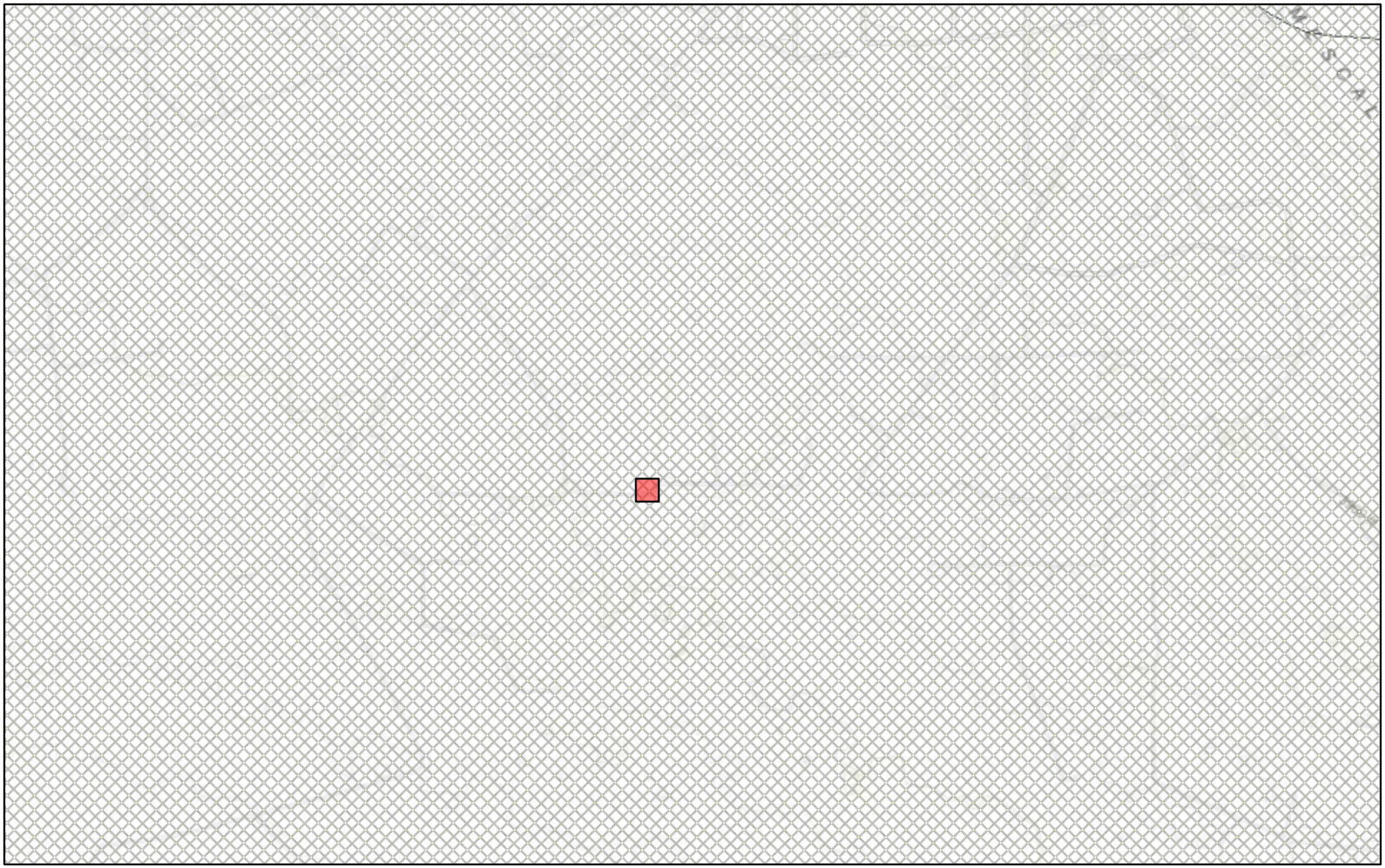
Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-07-25 10:00:23 EDT
0.27 0.23 nadww02

New Mexico NFHL Data



July 25, 2022

1:36,112

0 0.25 0.5 1 mi

0 0.4 0.8 1.6 km

FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

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APPENDIX E

CARMONA RESOURCES

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-5077-1
Client Project/Site: Federal 26 A-1

For:
Fasken Oil and Ranch
6101 Holiday HIll Road
Midland, Texas 79707

Attn: Grant Huckabay

JKramer

Authorized for release by:
8/15/2021 10:17:28 AM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

Client: Fasken Oil and Ranch
Project/Site: Federal 26 A-1

Laboratory Job ID: 880-5077-1

Table of Contents

Definitions/Glossary

Client: Fasken Oil and Ranch
Project/Site: Federal 26 A-1

Job ID: 880-5077-1

Qualifiers

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Fasken Oil and Ranch
Project/Site: Federal 26 A-1

Job ID: 880-5077-1

Job ID: 880-5077-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-5077-1

Receipt
The samples were received on 8/12/2021 4:48 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-6516 and analytical batch 880-6488 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

Client Sample Results

Client: Fasken Oil and Ranch
Project/Site: Federal 26 A-1

Job ID: 880-5077-1

Client Sample ID: AH1

Lab Sample ID: 880-5077-1

Date Collected: 08/11/21 10:00

Matrix: Solid

Date Received: 08/12/21 16:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		08/13/21 10:31	08/13/21 22:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		08/13/21 10:31	08/13/21 22:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		08/13/21 10:31	08/13/21 22:36	1
Total TPH	<49.8	U	49.8		mg/Kg		08/13/21 10:31	08/13/21 22:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*08/13/21 10:31*	*08/13/21 22:36*	*1*
o-Terphenyl	*83*		*70 - 130*	*08/13/21 10:31*	*08/13/21 22:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**69.8**		4.98		mg/Kg			08/13/21 17:59	1

Client Sample ID: AH2

Lab Sample ID: 880-5077-2

Date Collected: 08/11/21 10:15

Matrix: Solid

Date Received: 08/12/21 16:48

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		08/13/21 10:31	08/13/21 22:57	1
Diesel Range Organics (Over C10-C28)	**74.8**		49.9		mg/Kg		08/13/21 10:31	08/13/21 22:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		08/13/21 10:31	08/13/21 22:57	1
Total TPH	**74.8**		49.9		mg/Kg		08/13/21 10:31	08/13/21 22:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*08/13/21 10:31*	*08/13/21 22:57*	*1*
o-Terphenyl	*82*		*70 - 130*	*08/13/21 10:31*	*08/13/21 22:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**900**		4.99		mg/Kg			08/13/21 18:05	1

Surrogate Summary

Client: Fasken Oil and Ranch
Project/Site: Federal 26 A-1

Job ID: 880-5077-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
880-5048-A-41-I MS	Matrix Spike	71	71										
880-5048-A-41-J MSD	Matrix Spike Duplicate	70	70										
880-5077-1	AH1	75	83										
880-5077-2	AH2	78	82										
LCS 880-6516/2-A	Lab Control Sample	73	73										
LCSD 880-6516/3-A	Lab Control Sample Dup	75	79										
MB 880-6516/1-A	Method Blank	83	91										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Federal 26 A-1

Job ID: 880-5077-1

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

Lab Sample ID: MB 880-6516/1-A
Matrix: Solid
Analysis Batch: 6488

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 6516

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		08/13/21 10:31	08/13/21 18:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		08/13/21 10:31	08/13/21 18:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/13/21 10:31	08/13/21 18:41	1
Total TPH	<50.0	U	50.0		mg/Kg		08/13/21 10:31	08/13/21 18:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*08/13/21 10:31*	*08/13/21 18:41*	*1*
o-Terphenyl	*91*		*70 - 130*	*08/13/21 10:31*	*08/13/21 18:41*	*1*

Lab Sample ID: LCS 880-6516/2-A
Matrix: Solid
Analysis Batch: 6488

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 6516

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	762.8		mg/Kg		76	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	766.6		mg/Kg		77	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*73*		*70 - 130*
o-Terphenyl	*73*		*70 - 130*

Lab Sample ID: LCSD 880-6516/3-A
Matrix: Solid
Analysis Batch: 6488

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 6516

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	823.1		mg/Kg		82	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	810.6		mg/Kg		81	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*75*		*70 - 130*
o-Terphenyl	*79*		*70 - 130*

Lab Sample ID: 880-5048-A-41-I MS
Matrix: Solid
Analysis Batch: 6488

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 6516

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	995	789.4		mg/Kg		79	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	995	743.5		mg/Kg		75	70 - 130		

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Federal 26 A-1

Job ID: 880-5077-1

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

Lab Sample ID: 880-5048-A-41-I MS
Matrix: Solid
Analysis Batch: 6488

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 6516

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	71		70 - 130
o-Terphenyl	71		70 - 130

Lab Sample ID: 880-5048-A-41-J MSD
Matrix: Solid
Analysis Batch: 6488

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 6516

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	998	690.8	F1	mg/Kg		69	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	728.3		mg/Kg		73	70 - 130	2	20

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-6522/1-A
Matrix: Solid
Analysis Batch: 6542

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/13/21 16:37	1

Lab Sample ID: LCS 880-6522/2-A
Matrix: Solid
Analysis Batch: 6542

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	255.9		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-6522/3-A
Matrix: Solid
Analysis Batch: 6542

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	256.0		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-5094-A-1-E MS
Matrix: Solid
Analysis Batch: 6542

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	344		249	599.3		mg/Kg		103	90 - 110

QC Sample Results

Client: Fasken Oil and Ranch
Project/Site: Federal 26 A-1

Job ID: 880-5077-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-5094-A-1-F MSD
Matrix: Solid
Analysis Batch: 6542

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	344		249	599.4		mg/Kg		103	90 - 110	0	20

QC Association Summary

Client: Fasken Oil and Ranch
Project/Site: Federal 26 A-1

Job ID: 880-5077-1

GC Semi VOA

Analysis Batch: 6488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5077-1	AH1	Total/NA	Solid	8015B NM	6516
880-5077-2	AH2	Total/NA	Solid	8015B NM	6516
MB 880-6516/1-A	Method Blank	Total/NA	Solid	8015B NM	6516
LCS 880-6516/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	6516
LCSD 880-6516/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	6516
880-5048-A-41-I MS	Matrix Spike	Total/NA	Solid	8015B NM	6516
880-5048-A-41-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	6516

Prep Batch: 6516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5077-1	AH1	Total/NA	Solid	8015NM Prep	
880-5077-2	AH2	Total/NA	Solid	8015NM Prep	
MB 880-6516/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-6516/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-6516/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-5048-A-41-I MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-5048-A-41-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 6522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5077-1	AH1	Soluble	Solid	DI Leach	
880-5077-2	AH2	Soluble	Solid	DI Leach	
MB 880-6522/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6522/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6522/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-5094-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-5094-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 6542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-5077-1	AH1	Soluble	Solid	300.0	6522
880-5077-2	AH2	Soluble	Solid	300.0	6522
MB 880-6522/1-A	Method Blank	Soluble	Solid	300.0	6522
LCS 880-6522/2-A	Lab Control Sample	Soluble	Solid	300.0	6522
LCSD 880-6522/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6522
880-5094-A-1-E MS	Matrix Spike	Soluble	Solid	300.0	6522
880-5094-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	6522

Lab Chronicle

Client: Fasken Oil and Ranch
Project/Site: Federal 26 A-1

Job ID: 880-5077-1

Client Sample ID: AH1

Lab Sample ID: 880-5077-1

Date Collected: 08/11/21 10:00
Matrix: Solid
Date Received: 08/12/21 16:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	6516	08/13/21 10:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6488	08/13/21 22:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	6522	08/13/21 12:24	CH	XEN MID
Soluble	Analysis	300.0		1			6542	08/13/21 17:59	SC	XEN MID

Client Sample ID: AH2

Lab Sample ID: 880-5077-2

Date Collected: 08/11/21 10:15
Matrix: Solid
Date Received: 08/12/21 16:48

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	6516	08/13/21 10:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			6488	08/13/21 22:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	6522	08/13/21 12:26	CH	XEN MID
Soluble	Analysis	300.0		1			6542	08/13/21 18:05	SC	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Fasken Oil and Ranch
Project/Site: Federal 26 A-1

Job ID: 880-5077-1

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

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

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

Method Summary

Client: Fasken Oil and Ranch
Project/Site: Federal 26 A-1

Job ID: 880-5077-1

Method	Method Description	Protocol	Laboratory
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

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

Laboratory References:

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

Sample Summary

Client: Fasken Oil and Ranch
Project/Site: Federal 26 A-1

Job ID: 880-5077-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-5077-1	AH1	Solid	08/11/21 10:00	08/12/21 16:48
880-5077-2	AH2	Solid	08/11/21 10:15	08/12/21 16:48

eurofins

Environment Testing
Xenco

Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 90
Midland TX (432) 704-5440 San Antonio TX (210)
EL Paso TX (915) 585-3443 Lubbock TX (806) 7
Hobbs NM (575) 392 7550 Carlsbad NM (575) 988-3199

880-5077 Chain of Custody

5077

www xenco com Page _____ of _____

Project Manager	Grant Huckabay	Bill to (if different)	
Company Name	Fasken Oil and Ranch	Company Name	
Address	6101 Holiday Hill Road	Address	
City State ZIP	Midland TX 79707	City State ZIP	
Phone	432-288-5529	Email	granth@forl com addisong@forl com

Work Order Comments

Program UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables EDD ☐ ADaPT ☐ Other

Project Name	Federal 26A-1	Turn Around	☑ Routine ☐ Rush
Project Number		Due Date	5 day
Project Location		TAT starts the day received by the lab if received by 4 30pm	
Sampler's Name	GRANT HUCKABAY		
PO #:			

SAMPLE RECEIPT			
Temp Blank	Yes (No)	Wet Ice	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID	R8
Cooler Custody Seals.	Yes No (N/A)	Correction Factor	0.5
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	5.3
Total Containers		Corrected Temperature	5.8

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	TPH 8015	BTEX	CHLORIDE
AH1	S	8-11-21	10:00am					✓		✓
AH2	S	8-11-21	10:15am					✓		✓

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

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1		8/12/21 16:42	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: Fasken Oil and Ranch Job Number: 880-5077-1

Login Number: 5077 **List Source: Eurofins Xenco, Midland**
List Number: 1
Creator: Teel, Brianna

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

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

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

CONDITIONS

Action 139486

CONDITIONS

Operator: FASKEN OIL & RANCH LTD 6101 Holiday Hill Rd Midland, TX 79707	OGRID: 151416
	Action Number: 139486
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please note that 19.15.29.11 NMAC requires all the constituents of concern (including BTEX) be tested under Table 1 for approval consideration, unless a variance is obtained from OCD.	9/7/2022