



July 20, 2022

District II  
New Mexico Oil Conservation Division  
811 S. First Street  
Artesia, New Mexico 88210

**Re: Closure Report  
Federal FC Com #2H Wellhead  
Incident Number NAPP2213936364  
Eddy County, New Mexico**

To Whom it May Concern:

Ensolum, LLC (Ensolum) on behalf of EOG Resources, Inc. (EOG), has prepared this Closure Report to document site assessment, excavation, and soil sampling activities performed at the Federal FC Com #2H Wellhead (Site). The purpose of the site assessment, excavation, and soil sampling activities was to address unknown historical impacts to soil at the Site, which were discovered during the decommissioning process. Based on the excavation activities and analytical results from the soil sampling events, EOG is submitting this Closure Report, describing remediation that has occurred for closure of Incident Number NAPP2213936364.

## **SITE DESCRIPTION AND RELEASE SUMMARY**

The Site (Figure 1) is located in Unit M, Section 24, Township 20 South, Range 24 East, in Eddy County, New Mexico (32.5538864° N, 104.5482407°W) and is associated with oil and gas exploration and production operations on land under the stewardship of the Bureau of Land Management (BLM).

On May 18, 2022, historical impacts were discovered during the decommissioning process of the Site. An unknown quantity of crude oil and produced water appears to have been released to the facility pad. No fluids were recovered. EOG reported the release to the NMOCD on a Release Notification Form C-141 (Form C-141) on May 19, 2022. The release was assigned Incident Number NAPP2213936364. The historical release extent was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2.

## **SITE CHARACTERIZATION AND CLOSURE CRITERIA**

The Site was characterized according to Table 1, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential site receptors are identified on Figure 1.

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is USGS well 323341104330401, located approximately 0.49 miles northwest of the Site. The

groundwater well has a reported depth to groundwater of 236 feet bgs and a total depth of 272 feet bgs. Ground surface elevation at the groundwater well location is 3,621 feet above mean sea level (amsl), which is approximately 19 feet lower in elevation than the Site. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well records are included in Attachment 1.

The closest continuously flowing or significant watercourse to the Site is a dry wash, located approximately 575 feet south of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is underlain by unstable geology (high potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table 1 Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

## EXCAVATION SOIL SAMPLING ACTIVITIES AND LABORATORY ANALYTICAL RESULTS

On May 31, 2022, Ensolum personnel were at the Site to oversee excavation activities. Impacted soil was excavated from the release area as indicated by visible staining and information provided on the Form C-141. Excavation activities were performed using track-mounted backhoe and transport vehicle. The excavation occurred on pad at the location of the decommissioned wellhead. To direct excavation activities, soil was screened for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. The excavation was completed to a depth of 2 feet bgs. Photographic documentation of the excavation activities is included in Appendix B.

Following removal of the impacted soil, 5-point composite soil samples were collected at least every 200 square feet from the sidewalls and floor of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil sample SW01 was collected from the sidewall of the excavation from depths ranging from the ground surface to 2 feet bgs. Composite soil samples FS01 and FS02 were collected from the floor of the excavation from a depth of 2 feet bgs. The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Hall Environmental Analysis Laboratories (HEAL) in Albuquerque, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0. The excavation extent and excavation soil sample locations are presented on Figure 3.

On June 22, 2022, Ensolum personnel returned to the Site to oversee further excavation activities. Additional impacted soil was excavated from the floor of the excavation. Composite floor soil samples FS01A and FS02A were collected from the floor of the excavation at a depth of 3 feet bgs. Composite sidewall sample SW02 was collected from the sidewall of the excavation from depths ranging from the ground surface to 3 feet bgs. The soil samples were collected, handled, and analyzed following the same

procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

The excavation area measured approximately 390 square feet. A total of approximately 44 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lea Land Disposal Facility in Carlsbad, New Mexico.

## LABORATORY ANALYTICAL RESULTS

Any preliminary floor or sidewall samples exceeding the Closure Criteria were further excavated. Laboratory analytical results for final floor samples indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Appendix C.

## CLOSURE REPORT

Site assessment and excavation activities were conducted at the Site to address the historical release of produced water and crude oil discovered on May 18, 2022. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the Site Closure Criteria. Based on the soil sample analytical results, no further remediation was required. EOG will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions.

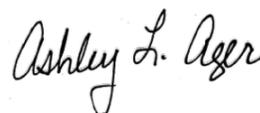
Excavation of impacted soil has mitigated impacts at this Site. Depth to groundwater has been confirmed to be greater than 100 feet bgs and the completion of these remedial actions are protective of human health, the environment, and groundwater. As such, EOG respectfully requests closure for Incident Number NAPP2213936364.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or [tmorrissey@ensolum.com](mailto:tmorrissey@ensolum.com).

Sincerely,  
**Ensolum, LLC**

A handwritten signature in black ink that reads "Hadlie Green".

Hadlie Green  
Field Geologist

A handwritten signature in black ink that reads "Ashley L. Ager".

Ashley Ager  
Program Director

cc: Chase Settle, EOG  
Amber Griffin, EOG  
Bureau of Land Management

### Appendices:

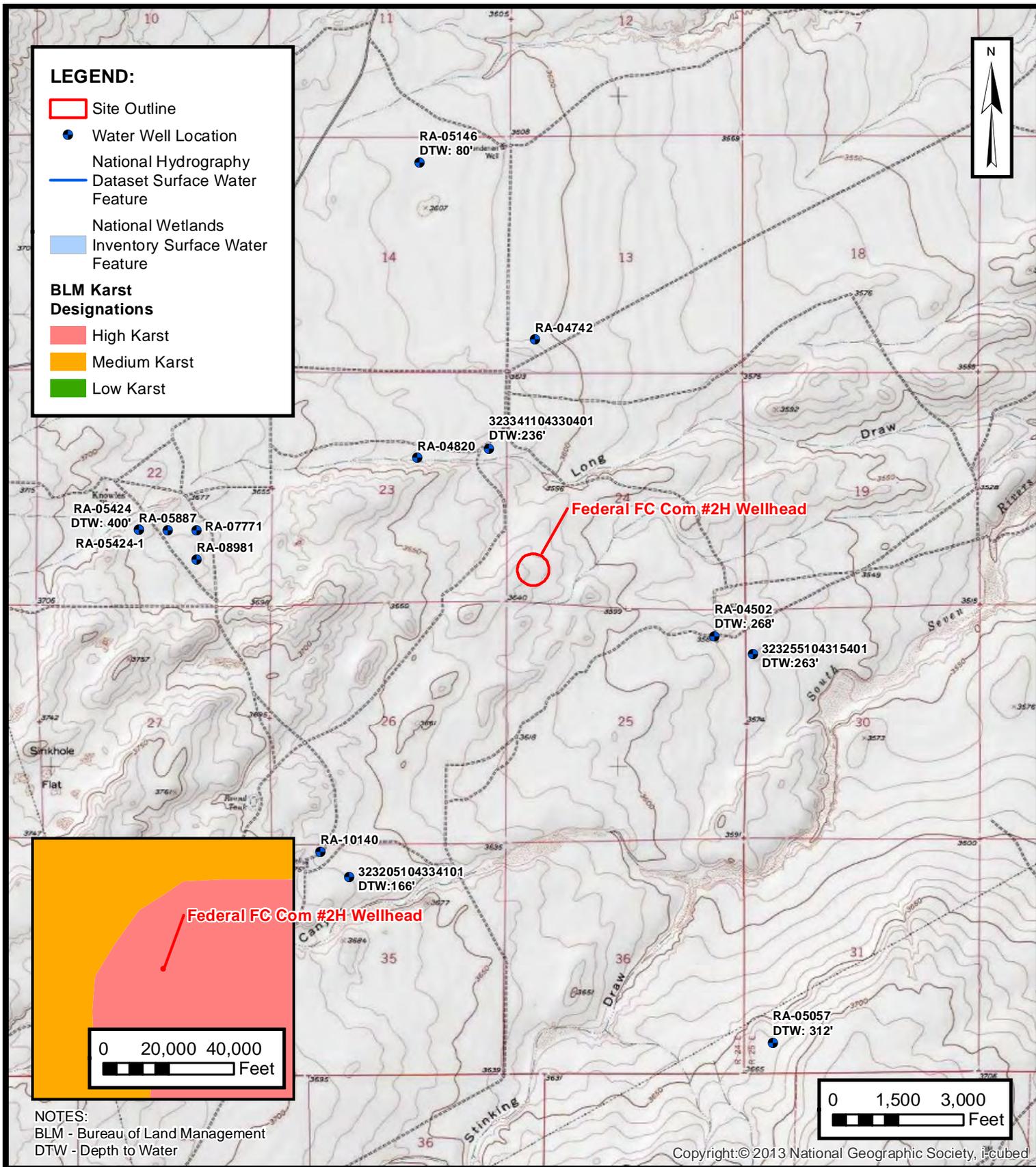
Figure 1 Site Receptor Map  
Figure 2 Release Map  
Figure 3 Excavation Soil Sample Locations  
Table 1 Soil Sample Analytical Results  
Appendix A Referenced Well Records



- 
- Appendix B Photographic Log
  - Appendix C Laboratory Analytical Reports & Chain-of-Custody Documentation
  - Appendix D NMOCD Notifications
  - Appendix E Final C-141



FIGURES



**SITE RECEPTOR MAP**

EOG RESOURCES, INC.  
 FEDERAL FC COM #2H WELLHEAD  
 NAPP2213936364  
 Unit M, Sec 24 T20S R24E  
 Eddy County, New Mexico

**FIGURE**  
**1**



**ENSOLUM**  
 Environmental & Hydrogeologic Consultants

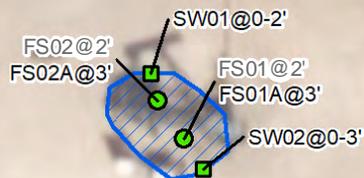
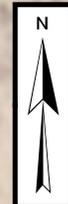
**RELEASE MAP**

EOG RESOURCES, INC.  
 FEDERAL FC COM #2H WELLHEAD  
 NAPP2213936364  
 Unit M, Sec 24 T20S R24E  
 Eddy County, New Mexico

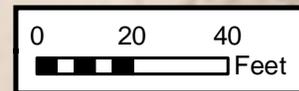
**FIGURE**  
**2**

**LEGEND:**

- Excavation Floor Soil Sample in Compliance with Applicable Closure Criteria
- Excavation Sidewall Soil Sample in Compliance with Applicable Closure Criteria
- ▨ Excavation Extent



NOTES:  
 Soil samples in grey indicate soil sample location was removed.  
 Sample ID @ Depth Below Ground Surface.



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**EXCAVATION SOIL SAMPLE LOCATIONS**

EOG RESOURCES, INC.  
 FEDERAL FC COM #2H WELLHEAD  
 NAPP2213936364  
 Unit M, Sec 24 T20S R24E  
 Eddy County, New Mexico

**FIGURE**  
**3**



TABLES



**TABLE 1  
SOIL SAMPLE ANALYTICAL RESULTS  
Federal FC Com #2H Wellhead  
EOG Resources, Inc.  
Eddy County, New Mexico**

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
<b>Excavation Floor Soil Samples</b>										
FS01	05/31/2022	2	<0.0240	<0.0900	<4.70	52.0	56.0	52.0	<b>110</b>	200
FS01A	06/22/2022	3	<0.0240	<0.0900	<4.70	26.0	<48.0	26.0	26.0	<60.0
FS02	05/31/2022	2	<0.0240	<0.100	<4.90	51.0	77.0	51.0	<b>130</b>	<b>610</b>
FS02A	06/22/2022	3	<0.0250	<0.100	<5.00	<14.0	<46.0	<14.0	<46.0	<60.0
<b>Excavation Sidewall Soil Samples</b>										
SW01	05/31/2022	0 - 2	<0.0230	<0.0900	<4.70	34.0	<47.0	34.0	34.0	<60.0
SW02	06/22/2022	0 - 3	<0.0230	<0.0900	<4.70	40.0	<46.0	40.0	40.0	<60.0

Notes:

bgs: below ground surface  
 mg/kg: milligrams per kilogram  
 NMOCD: New Mexico Oil Conservation Division  
 BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes  
 Concentrations in bold exceed the NMOCD Table 1 Closure Criteria or reclamation standard where applicable.

GRO: Gasoline Range Organics  
 DRO: Diesel Range Organics  
 ORO: Oil Range Organics  
 TPH: Total Petroleum Hydrocarbon  
 † indicates soil was excavated



## APPENDIX A

### Referenced Well Records

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USGS Home  
Contact USGS  
Search USGS

## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

### Search Results -- 1 sites found

site\_no list =

- 323341104330401

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

### USGS 323341104330401 20S.24E.23.21444

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°33'41", Longitude 104°33'04" NAD27

Land-surface elevation 3,617 feet above NAVD88

The depth of the well is 272 feet below land surface.

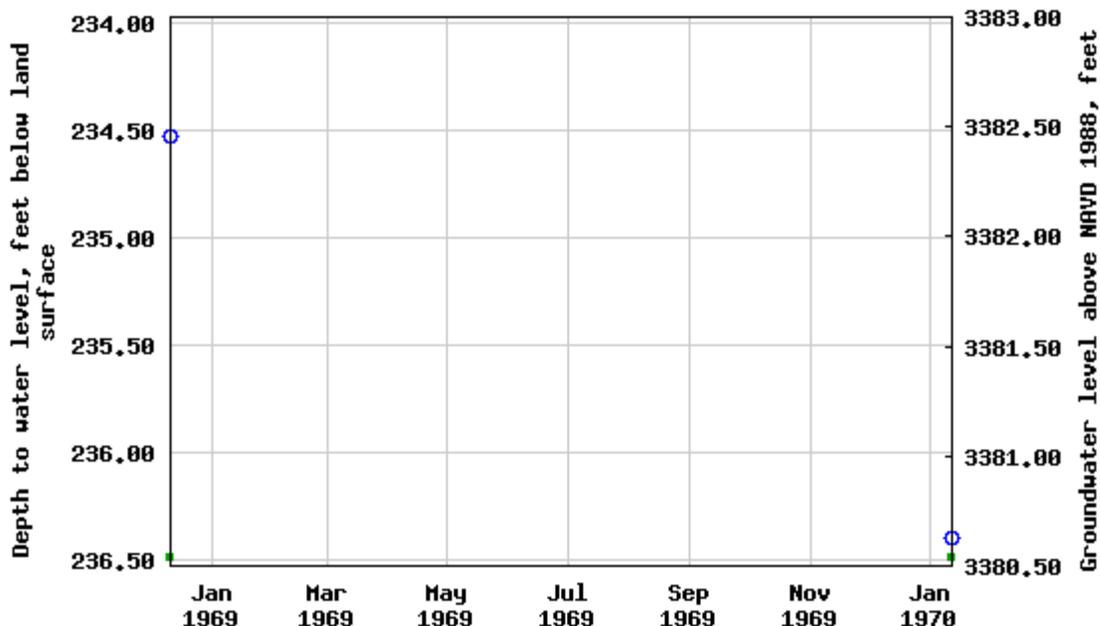
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

#### Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

USGS 323341104330401 20S.24E.23.21444



— Period of approved data

Breaks in the plot represent a gap of at least one year between field measurements. [Download a presentation-quality graph](#)

- [Questions about sites/data?](#)
- [Feedback on this web site](#)
- [Automated retrievals](#)
- [Help](#)
- [Data Tips](#)
- [Explanation of terms](#)
- [Subscribe for system changes](#)
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[Accessibility](#)   [FOIA](#)   [Privacy](#)   [Policies and Notices](#)

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

**Title: Groundwater for USA: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2022-05-16 11:00:33 EDT

0.58 0.51 nadww01



# 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)		
<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
RA 04820		3	2	23	20S	24E	541596	3602701*	

**Driller License:**

**Driller Company:**

**Driller Name:**

**Drill Start Date:**

**Drill Finish Date:**

**Plug Date:**

**Log File Date:**

**PCW Rcv Date:**

**Source:**

**Pump Type:**

**Pipe Discharge Size:**

**Estimated Yield:**

**Casing Size:**

**Depth Well:**

**Depth Water:**

\*UTM location was derived from PLSS - see Help

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

5/16/22 9:09 AM

POINT OF DIVERSION SUMMARY



## APPENDIX B

### Photographic Log

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**Photographic Log**  
EOG Resources, Inc.  
Federal FC Com # 2H Wellhead  
M-24-20S-24E  
Eddy County, New Mexico



Photograph 1 Date: 20-Apr-22  
Description: View of staining observed during decommissioning facing east.



Photograph 2 Date: 28-Apr-22  
Description: View of staining observed during decommissioning facing north.



Photograph 3 Date: 31-May-22  
Description: View of excavaton facing northeast.



Photograph 4 Date: 22-Jun-22  
Description: View of final excavation facing north.



## APPENDIX C

### Laboratory Analytical Reports & Chain of Custody Documentation

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Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

July 07, 2022

Tacoma Morrissey  
EOG  
105 South Fourth Street  
Artesia, NM 88210  
TEL:  
FAX:

RE: Federal FC Com 2H Wellhead

OrderNo.: 2206D60

Dear Tacoma Morrissey:

Hall Environmental Analysis Laboratory received 3 sample(s) on 6/24/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

**Analytical Report**

Lab Order **2206D60**

Date Reported: 7/7/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** FS01A @ 3'

**Project:** Federal FC Com 2H Wellhead

**Collection Date:** 6/22/2022 12:15:00 PM

**Lab ID:** 2206D60-001

**Matrix:** SOIL

**Received Date:** 6/24/2022 8:16:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	6/30/2022 12:20:55 PM	68460
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>ED</b>
Diesel Range Organics (DRO)	26	14		mg/Kg	1	6/30/2022 11:53:32 AM	68415
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/30/2022 11:53:32 AM	68415
Surr: DNOP	105	51.1-141		%Rec	1	6/30/2022 11:53:32 AM	68415
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/29/2022 5:40:00 AM	68382
Surr: BFB	87.3	37.7-212		%Rec	1	6/29/2022 5:40:00 AM	68382
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	6/29/2022 5:40:00 AM	68382
Toluene	ND	0.047		mg/Kg	1	6/29/2022 5:40:00 AM	68382
Ethylbenzene	ND	0.047		mg/Kg	1	6/29/2022 5:40:00 AM	68382
Xylenes, Total	ND	0.094		mg/Kg	1	6/29/2022 5:40:00 AM	68382
Surr: 4-Bromofluorobenzene	84.0	70-130		%Rec	1	6/29/2022 5:40:00 AM	68382

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

**Analytical Report**

Lab Order **2206D60**

Date Reported: 7/7/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** FS02A @ 3'

**Project:** Federal FC Com 2H Wellhead

**Collection Date:** 6/22/2022 12:20:00 PM

**Lab ID:** 2206D60-002

**Matrix:** SOIL

**Received Date:** 6/24/2022 8:16:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	6/30/2022 12:33:20 PM	68460
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>ED</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/30/2022 12:17:39 PM	68415
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/30/2022 12:17:39 PM	68415
Surr: DNOP	105	51.1-141		%Rec	1	6/30/2022 12:17:39 PM	68415
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/29/2022 5:59:00 AM	68382
Surr: BFB	90.0	37.7-212		%Rec	1	6/29/2022 5:59:00 AM	68382
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.025		mg/Kg	1	6/29/2022 5:59:00 AM	68382
Toluene	ND	0.050		mg/Kg	1	6/29/2022 5:59:00 AM	68382
Ethylbenzene	ND	0.050		mg/Kg	1	6/29/2022 5:59:00 AM	68382
Xylenes, Total	ND	0.099		mg/Kg	1	6/29/2022 5:59:00 AM	68382
Surr: 4-Bromofluorobenzene	84.9	70-130		%Rec	1	6/29/2022 5:59:00 AM	68382

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

**Analytical Report**

Lab Order **2206D60**

Date Reported: 7/7/2022

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** SW02 @ 0-3'

**Project:** Federal FC Com 2H Wellhead

**Collection Date:** 6/22/2022 12:25:00 PM

**Lab ID:** 2206D60-003

**Matrix:** SOIL

**Received Date:** 6/24/2022 8:16:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	6/30/2022 12:45:45 PM	68460
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>ED</b>
Diesel Range Organics (DRO)	40	14		mg/Kg	1	6/30/2022 12:41:40 PM	68415
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/30/2022 12:41:40 PM	68415
Surr: DNOP	106	51.1-141		%Rec	1	6/30/2022 12:41:40 PM	68415
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/29/2022 6:19:00 AM	68382
Surr: BFB	87.4	37.7-212		%Rec	1	6/29/2022 6:19:00 AM	68382
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.023		mg/Kg	1	6/29/2022 6:19:00 AM	68382
Toluene	ND	0.047		mg/Kg	1	6/29/2022 6:19:00 AM	68382
Ethylbenzene	ND	0.047		mg/Kg	1	6/29/2022 6:19:00 AM	68382
Xylenes, Total	ND	0.093		mg/Kg	1	6/29/2022 6:19:00 AM	68382
Surr: 4-Bromofluorobenzene	84.9	70-130		%Rec	1	6/29/2022 6:19:00 AM	68382

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2206D60

07-Jul-22

**Client:** EOG  
**Project:** Federal FC Com 2H Wellhead

Sample ID: <b>MB-68460</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>68460</b>	RunNo: <b>89182</b>								
Prep Date: <b>6/29/2022</b>	Analysis Date: <b>6/30/2022</b>	SeqNo: <b>3170091</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-68460</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>68460</b>	RunNo: <b>89182</b>								
Prep Date: <b>6/29/2022</b>	Analysis Date: <b>6/30/2022</b>	SeqNo: <b>3170092</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.8	90	110			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2206D60

07-Jul-22

**Client:** EOG  
**Project:** Federal FC Com 2H Wellhead

Sample ID: <b>MB-68386</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68386</b>		RunNo: <b>89114</b>							
Prep Date: <b>6/27/2022</b>	Analysis Date: <b>6/28/2022</b>		SeqNo: <b>3168753</b>				Units: <b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.6		10.00		96.1	51.1	141			

Sample ID: <b>LCS-68386</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68386</b>		RunNo: <b>89114</b>							
Prep Date: <b>6/27/2022</b>	Analysis Date: <b>6/28/2022</b>		SeqNo: <b>3168754</b>				Units: <b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.1		5.000		102	51.1	141			

Sample ID: <b>MB-68415</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68415</b>		RunNo: <b>89114</b>							
Prep Date: <b>6/28/2022</b>	Analysis Date: <b>6/30/2022</b>		SeqNo: <b>3170264</b>				Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.5		10.00		94.5	51.1	141			

Sample ID: <b>LCS-68415</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68415</b>		RunNo: <b>89114</b>							
Prep Date: <b>6/28/2022</b>	Analysis Date: <b>6/30/2022</b>		SeqNo: <b>3170265</b>				Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	15	50.00	0	98.8	64.4	127			
Surr: DNOP	5.1		5.000		103	51.1	141			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2206D60

07-Jul-22

**Client:** EOG  
**Project:** Federal FC Com 2H Wellhead

Sample ID: <b>ics-68381</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68381</b>		RunNo: <b>89080</b>							
Prep Date: <b>6/27/2022</b>	Analysis Date: <b>6/28/2022</b>		SeqNo: <b>3164760</b>				Units: <b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2000		1000		196	37.7	212			

Sample ID: <b>mb-68381</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68381</b>		RunNo: <b>89080</b>							
Prep Date: <b>6/27/2022</b>	Analysis Date: <b>6/28/2022</b>		SeqNo: <b>3164761</b>				Units: <b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	870		1000		87.5	37.7	212			

Sample ID: <b>mb-68382</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68382</b>		RunNo: <b>89090</b>							
Prep Date: <b>6/27/2022</b>	Analysis Date: <b>6/28/2022</b>		SeqNo: <b>3165011</b>				Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	37.7	212			

Sample ID: <b>ics-68382</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68382</b>		RunNo: <b>89090</b>							
Prep Date: <b>6/27/2022</b>	Analysis Date: <b>6/28/2022</b>		SeqNo: <b>3165012</b>				Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	114	72.3	137			
Surr: BFB	2200		1000		218	37.7	212			S

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2206D60

07-Jul-22

**Client:** EOG  
**Project:** Federal FC Com 2H Wellhead

Sample ID: <b>ics-68381</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68381</b>		RunNo: <b>89080</b>							
Prep Date: <b>6/27/2022</b>	Analysis Date: <b>6/28/2022</b>		SeqNo: <b>3164770</b>				Units: <b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.86		1.000		85.6	70	130			

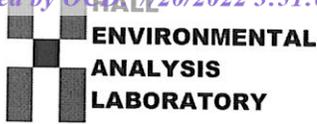
Sample ID: <b>mb-68381</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68381</b>		RunNo: <b>89080</b>							
Prep Date: <b>6/27/2022</b>	Analysis Date: <b>6/28/2022</b>		SeqNo: <b>3164771</b>				Units: <b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.85		1.000		85.2	70	130			

Sample ID: <b>mb-68382</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68382</b>		RunNo: <b>89090</b>							
Prep Date: <b>6/27/2022</b>	Analysis Date: <b>6/28/2022</b>		SeqNo: <b>3165039</b>				Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		94.7	70	130			

Sample ID: <b>LCS-68382</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68382</b>		RunNo: <b>89090</b>							
Prep Date: <b>6/27/2022</b>	Analysis Date: <b>6/28/2022</b>		SeqNo: <b>3165040</b>				Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	84.9	80	120			
Toluene	0.90	0.050	1.000	0	89.6	80	120			
Ethylbenzene	0.91	0.050	1.000	0	90.8	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.1	80	120			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.0	70	130			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



# Sample Log-In Check List

Client Name: EOG

Work Order Number: 2206D60

RcptNo: 1

Received By: Kasandra Payan 6/24/2022 8:16:00 AM

Completed By: Sean Livingston 6/24/2022 9:31:08 AM

Reviewed By: DAD 6/24/22

*[Handwritten signatures]*

### Chain of Custody

- 1. Is Chain of Custody complete? Yes  No  Not Present
- 2. How was the sample delivered? Courier

### Log In

- 3. Was an attempt made to cool the samples? Yes  No  NA
- 4. Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA
- 5. Sample(s) in proper container(s)? Yes  No
- 6. Sufficient sample volume for indicated test(s)? Yes  No
- 7. Are samples (except VOA and ONG) properly preserved? Yes  No
- 8. Was preservative added to bottles? Yes  No  NA
- 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes  No  NA
- 10. Were any sample containers received broken? Yes  No
- 11. Does paperwork match bottle labels? Yes  No   
(Note discrepancies on chain of custody)
- 12. Are matrices correctly identified on Chain of Custody? Yes  No
- 13. Is it clear what analyses were requested? Yes  No
- 14. Were all holding times able to be met? Yes  No   
(If no, notify customer for authorization.)

# of preserved bottles checked for pH: \_\_\_\_\_  
 (<2 or >12 unless noted)  
 Adjusted? \_\_\_\_\_  
 Checked by *[Signature]*

### Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_  
 By Whom: \_\_\_\_\_ Via:  eMail  Phone  Fax  In Person  
 Regarding: \_\_\_\_\_  
 Client Instructions: \_\_\_\_\_

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.8	Good				
2	2.0	Good				

# Chain-of-Custody Record

Client: Chase Settle, Amber Griffin

Mailing Address: 105 S. 4th St. Artesia, NM 88210

Phone #: \_\_\_\_\_

email or Fax#: Settle@eogresources.com

QA/QC Package:  Standard  Level 4 (Full Validation)

Accreditation:  Az Compliance  Other \_\_\_\_\_

NELAC  EDD (Type) \_\_\_\_\_

Turn-Around Time: \_\_\_\_\_

Standard  Rush 5 Day

Project Name: Federal FC Com #2H Wellhead

Project #: 03C2000006

Incident #: nAPP2213936364

Project Manager: Tacoma Morrissey

tmorrissey@ensolum.com

Sampler: Kase Parker

On Ice:  Yes  No See client

# of Coolers: 2 2.2-2.2 = 2.20°C

Cooler Temp (including CF): 10-0.2:0.8

HEAL No. 2204Dgen

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	Received by:	Via:	Date	Time	Remarks:
6/22/2022	12:15	S	FS01A @ 3'	2 oz jars		<u>AMMUND</u>	<u>cover</u>	<u>6/24/22</u>	<u>8:16</u>	BTEX / MTBE / TMB's (8021)
6/23/2022	12:20	S	FS02A @ 3'	2 oz jars		<u>AMMUND</u>	<u>cover</u>	<u>6/24/22</u>	<u>13:30</u>	TPH:8015D(GRO / DRO / MRO)
6/24/2022	12:25	S	SW02 @ 0-3'	2 oz jars		<u>AMMUND</u>	<u>cover</u>	<u>6/24/22</u>	<u>8:16</u>	8081 Pesticides/8082 PCB's
										EDB (Method 504.1)
										PAHs by 8310 or 8270SIMS
										RCRA 8 Metals
										<input checked="" type="checkbox"/> F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO
										8260 (VOA)
										8270 (Semi-VOA)
										Total Coliform (Present/Absent)

Relinquished by: AMMUND

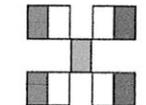
Received by: AMMUND

Relinquished by: AMMUND

Received by: AMMUND

Relinquished by: AMMUND

4901 Hawkins NE - Albuquerque, NM 87109  
Tel. 505-345-3975 Fax 505-345-4107



**HALL ENVIRONMENTAL**  
**ANALYSIS LABORATORY**

www.hallenvironmental.com

Analysis Request

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

June 08, 2022

Tacoma Morrissey  
EOG  
105 South Fourth Street  
Artesia, NM 88210  
TEL:  
FAX

RE: Federal FC Com 2H Wellhead

OrderNo.: 2206104

Dear Tacoma Morrissey:

Hall Environmental Analysis Laboratory received 3 sample(s) on 6/2/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2206104

Date Reported: 6/8/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: FS01 2'

Project: Federal FC Com 2H Wellhead

Collection Date: 5/31/2022 10:30:00 AM

Lab ID: 2206104-001

Matrix: SOIL

Received Date: 6/2/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	200	60		mg/Kg	20	6/7/2022 7:15:50 PM	67935
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>ED</b>
Diesel Range Organics (DRO)	52	9.7		mg/Kg	1	6/4/2022 7:35:15 AM	67871
Motor Oil Range Organics (MRO)	56	48		mg/Kg	1	6/4/2022 7:35:15 AM	67871
Surr: DNOP	110	51.1-141		%Rec	1	6/4/2022 7:35:15 AM	67871
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/3/2022 9:26:00 AM	67862
Surr: BFB	83.4	37.7-212		%Rec	1	6/3/2022 9:26:00 AM	67862
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	6/3/2022 9:26:00 AM	67862
Toluene	ND	0.047		mg/Kg	1	6/3/2022 9:26:00 AM	67862
Ethylbenzene	ND	0.047		mg/Kg	1	6/3/2022 9:26:00 AM	67862
Xylenes, Total	ND	0.094		mg/Kg	1	6/3/2022 9:26:00 AM	67862
Surr: 4-Bromofluorobenzene	84.3	70-130		%Rec	1	6/3/2022 9:26:00 AM	67862

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:			
*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Page 1 of 7

**Analytical Report**

Lab Order **2206104**

Date Reported: **6/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** FS02 2'

**Project:** Federal FC Com 2H Wellhead

**Collection Date:** 5/31/2022 10:40:00 AM

**Lab ID:** 2206104-002

**Matrix:** SOIL

**Received Date:** 6/2/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	610	60		mg/Kg	20	6/7/2022 7:28:11 PM	67935
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>ED</b>
Diesel Range Organics (DRO)	51	9.8		mg/Kg	1	6/4/2022 8:46:33 AM	67871
Motor Oil Range Organics (MRO)	77	49		mg/Kg	1	6/4/2022 8:46:33 AM	67871
Surr: DNOP	109	51.1-141		%Rec	1	6/4/2022 8:46:33 AM	67871
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/3/2022 10:25:00 AM	67862
Surr: BFB	84.0	37.7-212		%Rec	1	6/3/2022 10:25:00 AM	67862
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	6/3/2022 10:25:00 AM	67862
Toluene	ND	0.049		mg/Kg	1	6/3/2022 10:25:00 AM	67862
Ethylbenzene	ND	0.049		mg/Kg	1	6/3/2022 10:25:00 AM	67862
Xylenes, Total	ND	0.097		mg/Kg	1	6/3/2022 10:25:00 AM	67862
Surr: 4-Bromofluorobenzene	83.9	70-130		%Rec	1	6/3/2022 10:25:00 AM	67862

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

**Analytical Report**

Lab Order **2206104**

Date Reported: **6/8/2022**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** EOG

**Client Sample ID:** SW01 2'

**Project:** Federal FC Com 2H Wellhead

**Collection Date:** 5/31/2022 10:45:00 AM

**Lab ID:** 2206104-003

**Matrix:** SOIL

**Received Date:** 6/2/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	ND	60		mg/Kg	20	6/7/2022 7:40:32 PM	67935
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>ED</b>
Diesel Range Organics (DRO)	34	9.5		mg/Kg	1	6/4/2022 9:10:18 AM	67871
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/4/2022 9:10:18 AM	67871
Surr: DNOP	110	51.1-141		%Rec	1	6/4/2022 9:10:18 AM	67871
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/3/2022 11:24:00 AM	67862
Surr: BFB	82.7	37.7-212		%Rec	1	6/3/2022 11:24:00 AM	67862
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.023		mg/Kg	1	6/3/2022 11:24:00 AM	67862
Toluene	ND	0.047		mg/Kg	1	6/3/2022 11:24:00 AM	67862
Ethylbenzene	ND	0.047		mg/Kg	1	6/3/2022 11:24:00 AM	67862
Xylenes, Total	ND	0.093		mg/Kg	1	6/3/2022 11:24:00 AM	67862
Surr: 4-Bromofluorobenzene	83.7	70-130		%Rec	1	6/3/2022 11:24:00 AM	67862

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206104

08-Jun-22

**Client:** EOG  
**Project:** Federal FC Com 2H Wellhead

Sample ID: <b>MB-67935</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67935</b>	RunNo: <b>88545</b>								
Prep Date: <b>6/7/2022</b>	Analysis Date: <b>6/7/2022</b>	SeqNo: <b>3142412</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67935</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67935</b>	RunNo: <b>88545</b>								
Prep Date: <b>6/7/2022</b>	Analysis Date: <b>6/7/2022</b>	SeqNo: <b>3142413</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.0	90	110			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2206104

08-Jun-22

**Client:** EOG  
**Project:** Federal FC Com 2H Wellhead

Sample ID: <b>MB-67821</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67821</b>	RunNo: <b>88418</b>								
Prep Date: <b>6/1/2022</b>	Analysis Date: <b>6/3/2022</b>	SeqNo: <b>3138396</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.0		10.00		90.0	51.1	141			

Sample ID: <b>LCS-67821</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67821</b>	RunNo: <b>88418</b>								
Prep Date: <b>6/1/2022</b>	Analysis Date: <b>6/3/2022</b>	SeqNo: <b>3138397</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.8		5.000		76.1	51.1	141			

Sample ID: <b>MB-67871</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67871</b>	RunNo: <b>88418</b>								
Prep Date: <b>6/2/2022</b>	Analysis Date: <b>6/4/2022</b>	SeqNo: <b>3140066</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		96.6	51.1	141			

Sample ID: <b>LCS-67871</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67871</b>	RunNo: <b>88418</b>								
Prep Date: <b>6/2/2022</b>	Analysis Date: <b>6/4/2022</b>	SeqNo: <b>3140074</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	105	64.4	127			
Surr: DNOP	4.9		5.000		98.0	51.1	141			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206104

08-Jun-22

**Client:** EOG  
**Project:** Federal FC Com 2H Wellhead

Sample ID: <b>ics-67862</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67862</b>	RunNo: <b>88476</b>								
Prep Date: <b>6/2/2022</b>	Analysis Date: <b>6/3/2022</b>	SeqNo: <b>3138847</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.0	72.3	137			
Surr: BFB	1800		1000		184	37.7	212			

Sample ID: <b>mb-67862</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67862</b>	RunNo: <b>88476</b>								
Prep Date: <b>6/2/2022</b>	Analysis Date: <b>6/3/2022</b>	SeqNo: <b>3138848</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	870		1000		87.1	37.7	212			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206104

08-Jun-22

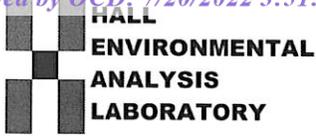
**Client:** EOG  
**Project:** Federal FC Com 2H Wellhead

Sample ID: <b>lcs-67862</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67862</b>		RunNo: <b>88476</b>							
Prep Date: <b>6/2/2022</b>	Analysis Date: <b>6/3/2022</b>		SeqNo: <b>3138879</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.4	80	120			
Toluene	0.97	0.050	1.000	0	96.8	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	95.0	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		89.2	70	130			

Sample ID: <b>mb-67862</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67862</b>		RunNo: <b>88476</b>							
Prep Date: <b>6/2/2022</b>	Analysis Date: <b>6/3/2022</b>		SeqNo: <b>3138880</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.87		1.000		86.8	70	130			

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2206104 RcptNo: 1

Received By: Cheyenne Cason 6/2/2022 7:30:00 AM
Completed By: Cheyenne Cason 6/2/2022 8:46:58 AM
Reviewed By: JMC 6/2/22

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0° C Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [ ] No [ ] NA [checked]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH: (<2 or >12 unless noted)
Adjusted?
Checked by: DAD 6/2/22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

Person Notified: Date:
By Whom: Via: [ ] eMail [ ] Phone [ ] Fax [ ] In Person
Regarding:
Client Instructions:

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Contains 2 rows of data.

# Chain-of-Custody Record

Client: Chase Seattle

Mailing Address: 105 S. 4th St.

Phone #: ARRESA NM 88210

email or Fax#: Amber-groff@arres.com

QA/QC Package: resources.com

Standard  Level 4 (Full Validation)

Accreditation:  Az Compliance

NELAC  Other

EDD (Type)

Turn-Around Time:

Standard  Rush 5 Day

Project Name:

Federal FC com #2H-Wellhead

Project #:

03C2000006

Project Manager:

Tacama Morrissey

Sampler: U2 Chell

On Ice:  Yes  No

# of Coolers: 2 6.9-0509

Cooler Temp (including CF): 4.7-0-4.7 (°C)

Container Type and #	Preservative Type	HEAL No.
<u>202</u>	<u>N/A</u>	<u>001</u>
<u>↓</u>	<u>↓</u>	<u>002</u>
<u>↓</u>	<u>↓</u>	<u>003</u>

Date: 5/31/22 Time: 10:30 Matrix: S Sample Name: FSD1 2'

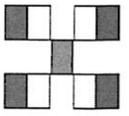
Date: ↓ Time: 10:40 Matrix: ↓ Sample Name: FSD2 2'

Date: ↓ Time: 10:45 Matrix: ↓ Sample Name: SM01 2'

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
<u>5/31/22</u>	<u>10:30</u>	<u>Amber Groff</u>	<u>Amber Groff</u>	<u>6/2/22</u>	<u>07:30</u>	

Remarks:

\* ALSO chase - rethe @egresources.com, and tmorrissey @enssum.com, API 30-015-26907



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Analysis Request	Result
BTEX / MTBE / TMB's (8021)	<u>X</u>
TPH:8015D(GRO / DRO / MRO)	<u>X</u>
8081 Pesticides/8082 PCB's	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	<u>X</u>
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	



APPENDIX D  
NMOCD Notifications

---

**From:** [Chase Settle](#)  
**To:** [Tacoma Morrissey](#)  
**Cc:** [Amber Griffin](#)  
**Subject:** FW: Federal FC Com #2H (NAPP2213936364 & NAPP2213935679) Sampling Notification  
**Date:** Thursday, July 7, 2022 4:07:09 PM

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[\*\*EXTERNAL EMAIL\*\*]

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**From:** Miriam Morales <Miriam\_Morales@eogresources.com>  
**Sent:** Thursday, July 7, 2022 2:47 PM  
**To:** blm\_nm\_cfo\_spill@blm.gov; Robert.Hamlet@state.nm.us; mike.bratcher@state.nm.us; jocelyn.harimon@state.nm.us; Jennifer.Nobui@state.nm.us  
**Cc:** Artesia S&E Spill Remediation <Artesia\_S&E\_Spill\_Remediation@eogresources.com>; Artesia Regulatory <Artesia\_Regulatory@eogresources.com>  
**Subject:** Federal FC Com #2H (NAPP2213936364 & NAPP2213935679) Sampling Notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Federal FC Com #2H  
M-24-20S-24, Eddy Co, NM  
NAPP2213936364 & NAPP2213935679

Sampling will begin at 8:30 a.m. Tuesday, July 12, 2022 and continue through Friday, July 15, 2022.

Thank you,

*Miriam Morales*

**From:** [Amber Griffin](#)  
**To:** [Tacoma Morrissey](#); [Ashley Ager](#)  
**Cc:** [Chase Settle](#)  
**Subject:** FW: Federal FC Com #2H- Sampling Notification  
**Date:** Wednesday, May 11, 2022 3:55:31 PM

---

[ \*\*EXTERNAL EMAIL\*\* ]

Thank you,  
Amber Griffin

---

**From:** Miriam Morales <Miriam\_Morales@eogresources.com>  
**Sent:** Wednesday, May 11, 2022 2:53 PM  
**To:** Robert.Hamlet@state.nm.us; blm\_nm\_cfo\_spill@blm.gov  
**Cc:** Artesia Regulatory <Artesia\_Regulatory@eogresources.com>; Artesia S&E Spill Remediation <Artesia\_S&E\_Spill\_Remediation@eogresources.com>  
**Subject:** Federal FC Com #2H- Sampling Notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Federal FC Com #2H  
M-24-20S-24, Eddy Co, NM

Sampling will begin at 8:30 a.m. on Monday, May 16, 2022 and will be continuous through Tuesday, May 17, 2022.

Thank you,

*Miriam Morales*



APPENDIX E

Final C-141

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

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

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

Incident ID	nAPP2213936364
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Amber Griffin	Contact Telephone 575-748-1471
Contact email amber_griffin@eogresources.com	Incident # nAPP2213936364
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

### Location of Release Source

Latitude 32.5538864 Longitude -104.5482407  
*(NAD 83 in decimal degrees to 5 decimal places)*

Site Name Federal FC Com # 2H	Site Type Wellhead
Date Release Discovered 5/18/2022	API# (if applicable) 30-015-26907

Unit Letter	Section	Township	Range	County
M	24	20S	24E	Eddy

Surface Owner:  State  Federal  Tribal  Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0 bbls
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Historical impacts were discovered during the decommissioning process of the location. The environmental consultant contracted to investigate the area determined on 5/18/2022, based on the impacted area footprint, that the release more than likely breached the reportable volume threshold.

State of New Mexico  
 Oil Conservation Division

Incident ID	NAPP2213936364
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Amber Griffin</u>	Title: <u>Rep Safety &amp; Environmental Sr</u>
Signature: <u><i>Amber Griffin</i></u>	Date: <u>5/19/2022</u>
email: <u>amber_griffin@eogresources.com</u>	Telephone: <u>575-748-1471</u>
<b><u>OCD Only</u></b>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>05/19/2022</u>

Incident ID	nAPP2213936364
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?	>100 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 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.

State of New Mexico  
Oil Conservation Division

Incident ID	nAPP2213936364
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: Amber Griffin Title: Rep Safety & Environmental Sr

Signature: *Amber Griffin* Date: 07/20/2022

email: amber\_griffin@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nAPP2213936364
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: Amber Griffin Title: Rep Safety & Environmental Sr  
 Signature: *Amber Griffin* Date: 07/20/2022  
 email: amber\_griffin@eogresources.com Telephone: 575-748-1471

**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: *Jennifer Nobui* Date: 08/30/2022  
 Printed Name: Jennifer Nobui Title: Environmental Specialist 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 127529

**CONDITIONS**

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 127529
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	8/30/2022