



February 15, 2022

Project #19034-0006

Mr. Bob Asher
104 South 4th Street
Artesia, New Mexico

Phone: (575) 748-4217
E-mail: bob_asher@eogresources.com

RE: Abandoned Produced Water Line Remediation Closure Report; Penasco Water Line, Incident # nAPP2133649705

Dear Mr. Asher,

Envirotech, Inc. (Envirotech) of Farmington, New Mexico, was contracted EOG Resources (EOG) to provide remediation excavation oversight and sampling activities for the closure of a 2013 produced water release at the Penasco Water Line (site). The site is located near the Kent BSK #1H well site (API: 30-015-40161) located within Unit P, Section 20, Township 18 South, Range 26 East in Eddy County, New Mexico, see **Figure 1, Vicinity Map**.

During the remediation excavation, on November 17, 2021, an underground abandoned water line constructed of polyvinyl chloride (PVC) located in the southeast corner of the impacted area was struck with the backhoe during excavation activities, releasing approximately 30 barrels of water that was contained in the excavation. A vacuum truck containerized the water, which will be transported to Gandy Marley, Inc. located in Roswell, New Mexico for disposal. Disposal documentation will be provided by EOG's contractor under separate cover.

The subject release area was excavated to approximately 6 feet below ground surface (bgs). The damaged abandoned water line was cut and capped in place, and the larger remediation excavation for the Penasco Water Line 2013 spill continued, see **Appendix A, Site Photography**.

Remediation Confirmation

One (1) sample was collected from the base of the southeast corner. The sample is identified as CS-4+24" Base. This sample was collected specific to the abandoned line release. The base sample was collected to demonstrate that remediation of the pipeline release (Incident #nAPP2133649705) had been completed. The walls of the excavation were incorporated into the remediation of the 2013 water line release.

The sample collected for laboratory analysis was placed into individual laboratory provided 4-ounce jars, capped head space free, and transported on ice to Envirotech Analytical Laboratory under strict chain-of-custody. The soil sample was analyzed per closure criteria provided in 19.15.29.12 NMAC which includes BTEX by EPA Method 8021B, TPH as DRO/GRO/ORO by EPA Method 8015D, and chloride by EPA Method 300.0/9056A. Soil sample locations are illustrated in **Figure 2, Site Map**.

Laboratory Analytical Results

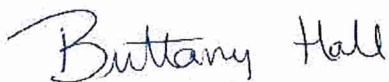
The laboratory analytical results were below closure criteria for benzene, BTEX, TPH, and chloride. Analytical results are provided in **Appendix B, Laboratory Analytical Report**.

Summary and Conclusions

Based on the analytical results, all contaminants of concern are below the NMOCD closure criteria; therefore, Envirotech recommends requesting a **No Further Action** status from the NMOCD regarding the release closure.

We appreciate the opportunity to be of service. If you have any questions or if you need additional information, please contact our office at (505) 632-0615.

Sincerely,
ENVIROTECH INC.

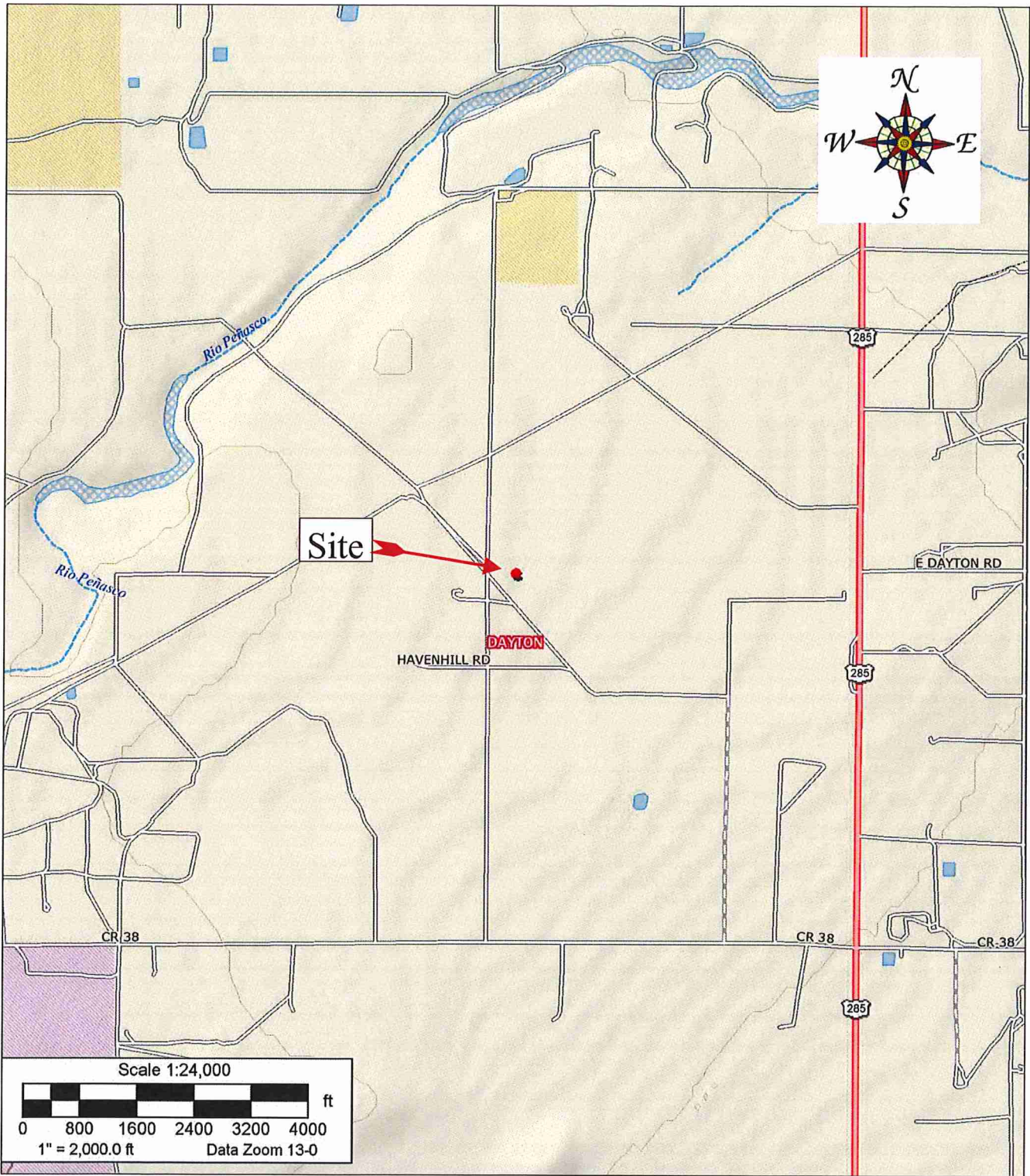


Brittany Hall
Environmental Staff Scientist
bhall@envirotech-inc.com

Figures: Figure 1, *Vicinity Map*
Figure 2, *Site Map*

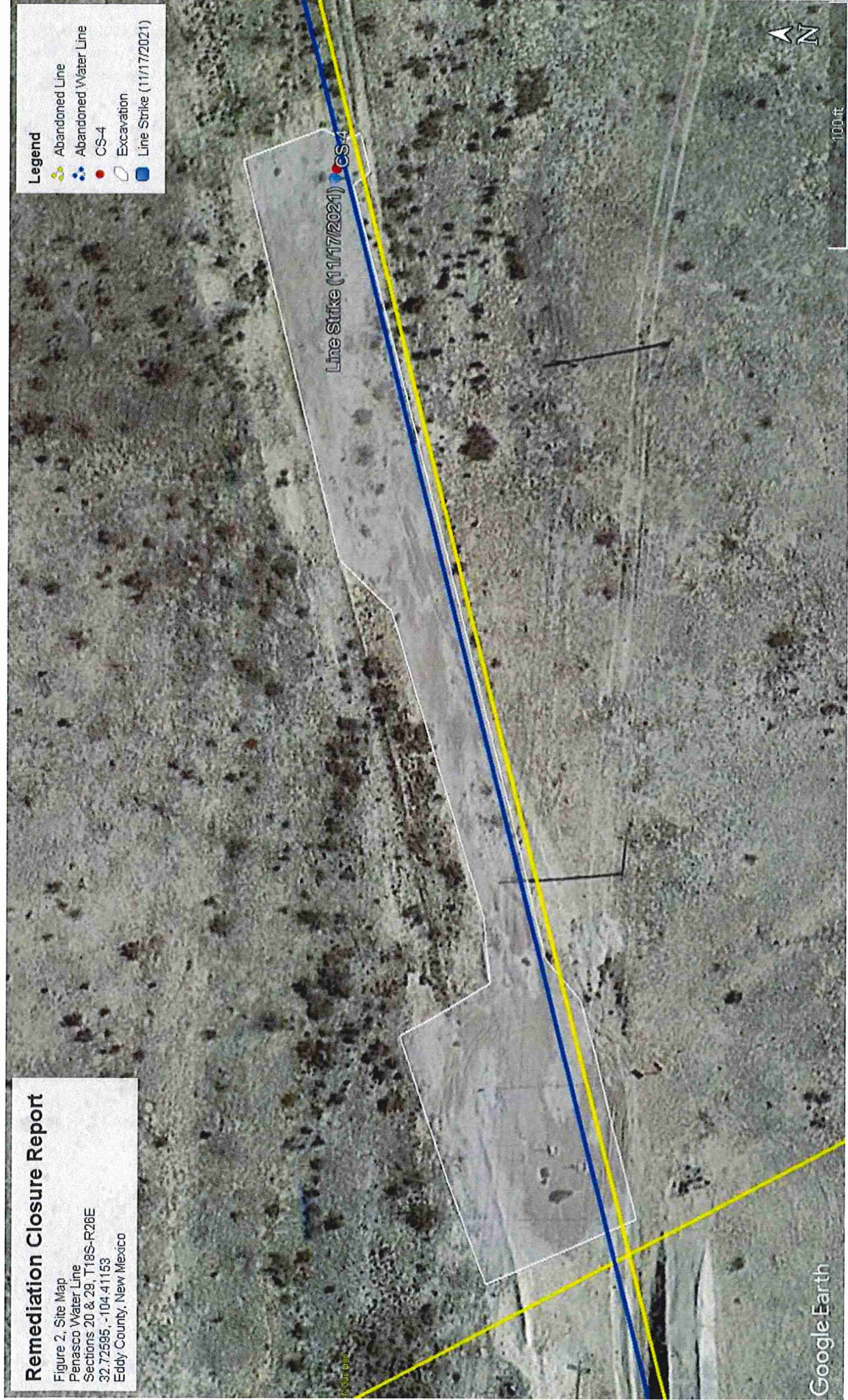
Appendices: Appendix A, *Site Photography*
Appendix B, *Laboratory Analytical Report*

Cc: Client File 19034



Source: 7.5 Minute, Dayton, New Mexico U.S.G.S. Topographic Quadrangle Map
Scale: 1:24,000 1" = 2,000

EOG Resources Remediation Closure Report Peñasco Water Line Sections 20 & 29, T18S, R26E Eddy County, New Mexico 32.72595, -104.41153	 5796 U.S. HIGHWAY 64 Farmington, New Mexico 87401 505.632.0615	Vicinity Map	
		Figure #1	
Project Number: 19034-0006	Date Drawn: 02/08/2022	DRAWN BY: Brittany Hall	PROJECT MANAGER: Felipe Aragon



**Backfill Photography
EOG Resources
Penasco Water Line
NMOCD Incident # nAPP2133649705
Release Closure Report
Sections 20, T18S, R26E
Eddy County, New Mexico
Project #19034-0006
February 15, 2022**



Picture 1: 11/17/2021 Release Area looking Southeast



Picture 2: 11/17/2021 Release Area looking South

Report to:
Felipe Aragon



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

EOG Resources Inc. - Carlsbad

Project Name: Penasco Water Line

Work Order: E112039

Job Number: 19034-0006

Received: 12/9/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/12/21

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/12/21

Felipe Aragon
104 South 4th Street
Artesia, NM 88210



Project Name: Penasco Water Line
Workorder: E112039
Date Received: 12/9/2021 11:02:00AM

Felipe Aragon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/9/2021 11:02:00AM, under the Project Name: Penasco Water Line.

The analytical test results summarized in this report with the Project Name: Penasco Water Line apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

EOG Resources Inc. - Carlsbad	Project Name:	Penasco Water Line	Reported:
104 South 4th Street	Project Number:	19034-0006	
Artesia NM, 88210	Project Manager:	Felipe Aragon	12/12/21 10:09

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-4-1+72" wall (c)	E112039-01A	Soil	12/07/21	12/09/21	Glass Jar, 4 oz.
	E112039-01B	Soil	12/07/21	12/09/21	Glass Jar, 4 oz.
CS-4-2+60" wall (c)	E112039-02A	Soil	12/07/21	12/09/21	Glass Jar, 4 oz.
	E112039-02B	Soil	12/07/21	12/09/21	Glass Jar, 4 oz.
CS-4+24" Base (c)	E112039-03A	Soil	12/07/21	12/09/21	Glass Jar, 4 oz.
	E112039-03B	Soil	12/07/21	12/09/21	Glass Jar, 4 oz.

Sample Data

EOG Resources Inc. - Carlsbad	Project Name:	Penasco Water Line	Reported: 12/12/2021 10:09:02AM
104 South 4th Street	Project Number:	19034-0006	
Artesia NM, 88210	Project Manager:	Felipe Aragon	

CS-4-1+72" wall (c)

E112039-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150022
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150022
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.2 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150024
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/09/21	
Surrogate: n-Nonane	109 %	50-200		12/09/21	12/09/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150030
Chloride	614	20.0	1	12/09/21	12/09/21	



Sample Data

EOG Resources Inc. - Carlsbad
104 South 4th Street
Artesia NM, 88210

Project Name: Penasco Water Line
Project Number: 19034-0006
Project Manager: Felipe Aragon

Reported:
12/12/2021 10:09:02AM

CS-4-2+60" wall (c)

E112039-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150022
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150022
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.9 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150024
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/09/21	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		12/09/21	12/09/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150030
Chloride	456	20.0	1	12/09/21	12/09/21	



Sample Data

EOG Resources Inc. - Carlsbad
104 South 4th Street
Artesia NM, 88210

Project Name: Penasco Water Line
Project Number: 19034-0006
Project Manager: Felipe Aragon

Reported:
12/12/2021 10:09:02AM

CS-4+24" Base (c)

E112039-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150022
Benzene	ND	0.0250	1	12/09/21	12/09/21	
Ethylbenzene	ND	0.0250	1	12/09/21	12/09/21	
Toluene	ND	0.0250	1	12/09/21	12/09/21	
o-Xylene	ND	0.0250	1	12/09/21	12/09/21	
p,m-Xylene	ND	0.0500	1	12/09/21	12/09/21	
Total Xylenes	ND	0.0250	1	12/09/21	12/09/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150022
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/21	12/09/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		12/09/21	12/09/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2150024
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/21	12/09/21	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/21	12/09/21	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		12/09/21	12/09/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2150030
Chloride	267	20.0	1	12/09/21	12/09/21	



QC Summary Data

EOG Resources Inc. - Carlsbad 104 South 4th Street Artesia NM, 88210	Project Name: Penasco Water Line Project Number: 19034-0006 Project Manager: Felipe Aragon	Reported: 12/12/2021 10:09:02AM
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Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2150022-BLK1)

Prepared: 12/08/21 Analyzed: 12/08/21

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			

LCS (2150022-BS1)

Prepared: 12/08/21 Analyzed: 12/08/21

Benzene	4.82	0.0250	5.00		96.5	70-130			
Ethylbenzene	4.75	0.0250	5.00		95.0	70-130			
Toluene	4.92	0.0250	5.00		98.3	70-130			
o-Xylene	4.88	0.0250	5.00		97.5	70-130			
p,m-Xylene	9.66	0.0500	10.0		96.6	70-130			
Total Xylenes	14.5	0.0250	15.0		96.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.99		8.00		99.8	70-130			

Matrix Spike (2150022-MS1)

Source: E112034-01

Prepared: 12/08/21 Analyzed: 12/08/21

Benzene	4.77	0.0250	5.00	ND	95.4	54-133			
Ethylbenzene	4.72	0.0250	5.00	ND	94.3	61-133			
Toluene	4.86	0.0250	5.00	ND	97.3	61-130			
o-Xylene	4.81	0.0250	5.00	ND	96.3	63-131			
p,m-Xylene	9.60	0.0500	10.0	ND	96.0	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.38		8.00		105	70-130			

Matrix Spike Dup (2150022-MSD1)

Source: E112034-01

Prepared: 12/08/21 Analyzed: 12/08/21

Benzene	4.85	0.0250	5.00	ND	97.0	54-133	1.64	20	
Ethylbenzene	4.78	0.0250	5.00	ND	95.7	61-133	1.43	20	
Toluene	4.93	0.0250	5.00	ND	98.7	61-130	1.45	20	
o-Xylene	4.89	0.0250	5.00	ND	97.9	63-131	1.62	20	
p,m-Xylene	9.73	0.0500	10.0	ND	97.3	63-131	1.35	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.5	63-131	1.44	20	
Surrogate: 4-Bromochlorobenzene-PID	8.26		8.00		103	70-130			



QC Summary Data

EOG Resources Inc. - Carlsbad 104 South 4th Street Artesia NM, 88210	Project Name: Penasco Water Line Project Number: 19034-0006 Project Manager: Felipe Aragon	Reported: 12/12/2021 10:09:02AM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2150022-BLK1)

Prepared: 12/08/21 Analyzed: 12/08/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			

LCS (2150022-BS2)

Prepared: 12/08/21 Analyzed: 12/08/21

Gasoline Range Organics (C6-C10)	53.6	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			

Matrix Spike (2150022-MS2)

Source: E112034-01

Prepared: 12/08/21 Analyzed: 12/08/21

Gasoline Range Organics (C6-C10)	55.4	20.0	50.0	ND	111	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			

Matrix Spike Dup (2150022-MSD2)

Source: E112034-01

Prepared: 12/08/21 Analyzed: 12/08/21

Gasoline Range Organics (C6-C10)	53.1	20.0	50.0	ND	106	70-130	4.32	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			



QC Summary Data

EOG Resources Inc. - Carlsbad 104 South 4th Street Artesia NM, 88210	Project Name: Penasco Water Line Project Number: 19034-0006 Project Manager: Felipe Aragon	Reported: 12/12/2021 10:09:02AM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2150024-BLK1)

Prepared: 12/09/21 Analyzed: 12/09/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.1		50.0		112	50-200			

LCS (2150024-BS1)

Prepared: 12/09/21 Analyzed: 12/09/21

Diesel Range Organics (C10-C28)	553	25.0	500		111	38-132			
Surrogate: n-Nonane	54.3		50.0		109	50-200			

Matrix Spike (2150024-MS1)

Source: E112033-03

Prepared: 12/09/21 Analyzed: 12/09/21

Diesel Range Organics (C10-C28)	547	25.0	500	ND	109	38-132			
Surrogate: n-Nonane	53.4		50.0		107	50-200			

Matrix Spike Dup (2150024-MSD1)

Source: E112033-03

Prepared: 12/09/21 Analyzed: 12/09/21

Diesel Range Organics (C10-C28)	557	25.0	500	ND	111	38-132	1.75	20	
Surrogate: n-Nonane	54.3		50.0		109	50-200			



QC Summary Data

EOG Resources Inc. - Carlsbad 104 South 4th Street Artesia NM, 88210	Project Name: Penasco Water Line Project Number: 19034-0006 Project Manager: Felipe Aragon	Reported: 12/12/2021 10:09:02AM
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Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2150030-BLK1)

Prepared: 12/09/21 Analyzed: 12/09/21

Chloride ND 20.0

LCS (2150030-BS1)

Prepared: 12/09/21 Analyzed: 12/09/21

Chloride 249 20.0 250 99.4 90-110

Matrix Spike (2150030-MS1)

Source: E112033-03

Prepared: 12/09/21 Analyzed: 12/09/21

Chloride 1420 20.0 250 1150 108 80-120

Matrix Spike Dup (2150030-MSD1)

Source: E112033-03

Prepared: 12/09/21 Analyzed: 12/09/21

Chloride 1420 20.0 250 1150 106 80-120 0.296 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

EOG Resources Inc. - Carlsbad	Project Name:	Penasco Water Line	
104 South 4th Street	Project Number:	19034-0006	Reported:
Artesia NM, 88210	Project Manager:	Felipe Aragon	12/12/21 10:09

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite


Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

[illegible]

Envirotech Analytical Laboratory

Printed: 12/9/2021 11:03:00AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	EOG Resources Inc. - Carlsbad	Date Received:	12/09/21 10:56	Work Order ID:	E112039
Phone:	(575) 748-4217	Date Logged In:	12/09/21 10:56	Logged In By:	Jessica Liesse
Email:	faragon@envirotech-inc.com	Due Date:	12/09/21 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Fedex

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: n/a

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

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	nAPP2133649705
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Robert Asher	Contact Telephone 575-748-4217
Contact email bob_asher@eogresources.com	Incident # (assigned by OCD) nAPP2133649705
Contact mailing address 104 S. 4 th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.72627 Longitude -104.41039
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Penasco Water Line	Site Type: Off Location, buried pvc pipeline
Date Release Discovered: 11/17/2021	API# 30-015-40161

Unit Letter	Section	Township	Range	County
L	20	18S	24E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Ross Duncan Properties, LLC & B&G Royalties)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> Other (Fresh Water)	Volume/Weight Released (bbls) 30	Volume/Weight Recovered (bbls) 30

Cause of Release:

During the excavation work per the approved closure (Application ID: 55836), for Incident ID (n#) nJMW1315048005, an abandoned 6" PVC line was struck by a backhoe, breaking the pvc, causing the release. When the 6" line was abandoned (approximately 2.5 miles in length), in 2015, the line was flushed with fresh water and while filled with fresh water the line was capped at both ends of the pvc pipe.

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? An unauthorized release of a volume, excluding gases, of 25 barrels or more.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Jim Griswold, Mike Bratcher & Rob Hamlet/NMOCD by email (11/18/2021).	

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>Robert Asher</u>	Title: <u>Environmental Supervisor</u>
Signature: _____	Date: <u>12/1/2021</u>
email: <u>bob_asher@eogresources.com</u>	Telephone: <u>575-748-4217</u>
<u>OCD Only</u> Received by: _____ Date: _____	

State of New Mexico
Oil Conservation Division

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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?	<input type="checkbox"/> Yes <input 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 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 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 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 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 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 type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input 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.

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Oil Conservation Division

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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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

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Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

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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: Robert Asher

Title: Environmental Supervisor

Signature: 

Date: 2/15/2022

email: bob_asher@eogresources.com

Telephone: 575-748-4217

OCD Only

Received by: _____

Date: _____

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

Closure Approved by: _____

Date: 03/09/2022

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 81941

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 81941
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	None	3/9/2022