Remediation Excavation Closure Report







Lucky Wolf 31 Federal Com #2H

API #30-015-37448 Unit H, Section 31, T16S, R28E Eddy County, New Mexico nAAP2128557106



June 29, 2022 Project #19034-0010

> Mr. Jeremy Haass 104 South 4th Street Artesia, New Mexico Phone: (575) 513-9235

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Introduction

Envirotech, Inc. (Envirotech) of Farmington, New Mexico, was contracted by EOG Resources (EOG) to complete the remediation excavation oversight and confirmation sampling at the plugged well site identified as Lucky Wolf 31 Federal Com #2H (API: 30-015-37448). The well site located within Unit H, Section 31, Township 16 South, Range 28 East in Eddy County, New Mexico; see **Figure 1**, *Vicinity Map*. The remediation excavation was proposed in a *Characterization and Remediation Plan* (December 21, 2021) previously submitted by EOG to the New Mexico Oil Conservation Division (NMOCD).

Regulatory Standards

Groundwater Exploratory Soil Boring

Since depth to groundwater records within 0.5 mile of the well site were not available, one (1) soil boring was advanced on April 26, 2022. Prior to installing soil boring, an *Application for Permit to Drill a Well with No Water Right* was submitted to New Mexico Office of the State Engineer (NMOSE) and was approved on April 13, 2022. The soil boring was installed utilizing a track mounted drill rig equipped with a hollow stem auger and was located on the north side of the well pad; see **Figure 2**, **Site Map**.

The soil boring was completed to a depth of 50 feet below ground surface (bgs). Once total depth had been reached, the augers were removed, and 2-inch polyvinyl chloride (PVC) screened-casing was placed into the boring to total depth. The casing was left in place over 72 hours. On May 3, 2022, using a water level meter, the boring was confirmed to be dry, and the casing was removed. The boring was then backfilled with a bentonite slurry and the drill cuttings. Soil boring activities are illustrated in **Appendix A**, **Site Photography** and **Appendix B**, **Field Notes**.

Furthermore, the subject well site is 764 feet south from a tributary of the Dog Canyon Draw. Documentation for the additional siting criteria is provided in **Appendix C**, **Siting Documentation**.

The closure criteria for the site were based on the reclamation standards for the upper four (4) feet of the excavation (19.15.29.13 NMAC):

Constituent	Method	Limit
Chloride	EPA 300.0	600 mg/kg
Total Petroleum Hydrocarbons (TPH)	EPA Method 8015D	100 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA Method 8021B	50 mg/kg
Benzene	EPA Method 8021B	10 mg/kg



Soils depths greater than 4 feet bgs were closed based on the following release closure criteria (19.15.29.12 NMAC):

Constituent	Method	Limit
Chloride	EPA 300.0	10,000 mg/kg
Total Petroleum Hydrocarbons (TPH)	EPA Method 8015D	2,500 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA Method 8021B	50 mg/kg
Benzene	EPA Method 8021B	10 mg/kg

Remediation Excavation and Sampling Activities

On March 23 through April 7, 2022, Envirotech personnel and EOG's earth work contractor were on-site to conduct the remediation activities. Prior to field work, a Job Safety Analysis (JSA) was completed.

Utilizing a trackhoe, the area of concern was excavated, and the contaminated soil was loaded into dump trucks to be transported to NMOCD permitted disposal facility. The final extents of the excavation measured approximately 75 feet by 50 feet by 22 feet bgs.

Field Screening Analysis

To direct excavation activities and prior to collection of a confirmation laboratory sample, field screening for volatile organic compounds (VOCs) was conducted with a photo-ionization detector (PID) organic vapor meter (OVM). Prior to performing field screening activities, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas. The soil sample was also screened in the field for TPH per United States Environmental Protection Agency (EPA) Method 418.1 using an Infracal Total Oil and Grease (TOG)/ TPH Analyzer. A three-point calibration was completed prior to conducting soil screening. Field screening protocol followed the manufacture's operating procedures. The sample was also field screened for chlorides using a Hach Chloride Test Kit. Field screening results are summarized below and in **Appendix B**.

Confirmation Sampling Activities

EOG Resources notified the NMOCD prior to collecting confirmation samples at the site. Confirmation samples were collected on April 18, 2022. A total of forty-two (42) five-point composite soil samples were collected from the excavation for laboratory analysis. Soil samples, representative of 200 square feet (ft²) or less, were collected form the walls and base of the excavation. Additionally, the walls of the excavation were segregated as surface to 4 feet and 4 feet to total depth.



EOG Resources, Lucky Wolf 31 Federal Com #2H
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Page 3

The soil samples were 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 NMOCD notification is included in **Appendix D**, **Regulatory Correspondence** and soil sample locations are illustrated in **Figure 2** and **Appendix C**.

Laboratory Analytical Results

The soil samples were analyzed per analytical methods referenced in 19.15.29 NMAC. Laboratory results indicated soils were below applicable closure criteria in all samples collected except for CS-72. The sample identified as CS-72 was collected from the upper 4 feet of the southwest ramp and exceed the reclamation criteria for chloride; however, the laboratory results indicated that the material could be used as backfill in the base of the excavation. Analytical results are summarized in Table 1, Summary of Soil Analytical Results and Appendix E, Laboratory Analytical Report.

Backfilling and Confirmation Sampling Activities

On April 27, 2022, EOG's earth work contractor returned to the site to backfill the excavation. The southwest ramp (CS-72) was used as backfill in the base of the excavation and clean fill material was transported in for the remaining void to 4 feet bgs.

EOG Resources notified the NMOCD prior to collecting a confirmation sample of the newly exposed southwest wall (former location of the ramp). The sample was collected on May 26, 2022. One (1) five-point composite soil sample was collected from the wall for laboratory analysis. The sample collected was representative of 200 square feet (ft²) or less. The soil sample was placed into an individual laboratory provided 4-ounce jars, capped head space free, and transported on ice to Envirotech Analytical Laboratory under strict chain of custody.

Laboratory Analytical Results

The soil sample was analyzed per analytical methods referenced in 19.15.29 NMAC. The sample collected returned results below applicable regulatory standards for all contaminants of concern.

Summary and Conclusions

Envirotech personnel completed the closure sampling of the remediation excavation at the Lucky Wolf 31 Federal Com #2H. EOG contractors completed the backfill of the excavation with non-waste containing material on June 23, 2022. Based on the analytical results, all contaminants of concern are below the NMOCD reclamation and release closure criteria; therefore, Envirotech recommends requesting a **No Further Action** status regarding the remediation excavations.



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Statement of Limitations

The work and services provided were in accordance with NMOCD standards. All observations and conclusions provided here are based on the information and current site conditions found at the subject well site. This work has been conducted and reported in accordance with generally accepted professional practices in geology, engineering, environmental chemistry, and hydrogeology.

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

Respectfully submitted, **ENVIROTECH, INC.**

Buttany Hall

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Reviewed by:

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Dami C. VSJ

Figures

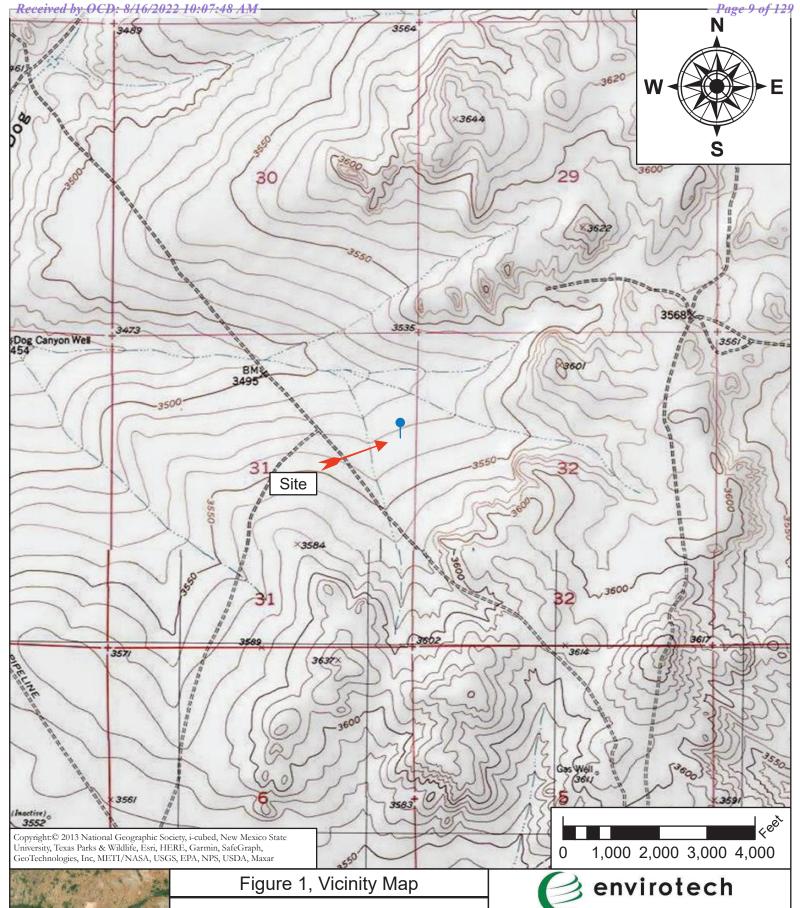


Figure 1, *Vicinity Map*Figure 2, *Site Map*





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EOG Resources Lucky Wolf 31 Federal #2H API: 30-015-37448 Eddy County, New Mexico Sec 31, Township 16S, Range 28E Project #19034-0010



Environmental Scientists and Engineers 5796 U.S Highway 64 Farmington, New Mexico 87401 505.632.0615

> Date Drawn: 06/08/2022 Drawn by: B.Hall

Figure 2, Site Map

EOG Resources Lucky Wolf 31 Federal #2H API: 30-0415-37448 Eddy County, New Mexico Sec 31, Township 16S, Range 28E Project #19034-0010



5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

MAP DRAWN BY:	DATE DRAWN:
ВН	06/13/2022
REVISIONS BY:	DATE REVISED:
NAME	DATE
APPROVED BY:	DATE APPROVED:
NAME	DATE

LEGEND

-Excavation



- 5-point Composite Sample



- Over reclamation standard (Used as backfill in base)

CS-42/CS-43- 0.5 ft to 4 ft/ 4 ft to 22 ft deep



- SB-1



Scale 1''' = 15'

Tables



Table 1, Summary of Soil Analytical Results



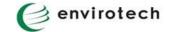


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Table 1, Summary of Soil Analytical Results EOG Resources, Inc. Release Closure Report Lucky Wolf Federal Com #2H; API: 30-015-37448 Unit H Section 31, Township 16S, Range 28E Eddy County, New Mexico Project #19034-0010

			EPA Method 8015			EPA Meth	nod 8021	EPA Method 300.0	
Date	Laboratory Sample ID	Sample Depth (below				mg/kg		•	
	Sample ID	ground surface)	GRO	DRO	ORO	Benzenze	втех	Chloride	
	NMOCD Reclamation Closure Criteria Table 1 - 19.15.29.13 NMAC (mg/kg)			100		10	50	600	
		Release Closure Criteria 15.29.12 NMAC (mg/kg)		2,500		10	50	10,000	
	CS-37	North Wall (0.5 to 4 ft)	<20.0	<25.0	<50.0	<0.025	<0.1	<200	
	CS-38	,	<20.0	<25.0	<50.0	<0.025	<0.1	<200	
	CS-39	N	<20.0	<25.0	<50.0	<0.025	<0.1	<200	
	CS-40	North Wall (4 to 22 ft)	<20.0	<25.0	<50.0	<0.025	<0.1	803	
	CS-41		<20.0	<25.0	<50.0	<0.025	<0.1	457	
	CS-42	NE Wall (0.5 to 4 ft)	<20.0	<25.0	<50.0	<0.025	<0.1	458	
	CS-43	NE Wall (4 to 22 ft)	<20.0	<25.0	<50.0	<0.025	<0.1	334	
	CS-44	SE Wall (0.5 to 4 ft)	<20.0	<25.0	<50.0	<0.025	<0.1	<200	
	CS-45	SE Wall (4 to 22 ft)	<20.0	<25.0	<50.0	<0.025	<0.1	<200	
	CS-46	South Wall (0.5 to 4 ft)	<20.0	<25.0	<50.0	<0.025	<0.1	<200	
	CS-47	Countries (cio to 1 it)	<20.0	<25.0	<50.0	<0.025	<0.1	398	
	CS-48		<20.0	<25.0	<50.0	<0.025	<0.1	320	
	CS-49	South Wall (4 to 22 ft)	<20.0	<25.0	<50.0	<0.025	<0.1	349	
	CS-50		<20.0	<25.0	<50.0	<0.025	<0.1	212	
	CS-51	NW Wall (0.5 to 4 ft)	<20.0	<25.0	<50.0	<0.025	<0.1	<200	
	CS-52	NW Wall (4 to 22 ft)	<20.0	<25.0	<50.0	<0.025	<0.1	232	
	CS-53	(1 to 22 it)	<20.0	<25.0	<50.0	<0.025	<0.1	497	
	CS-54		<20.0	<25.0	<50.0	<0.025	<0.1	549	
	CS-55		<20.0	<25.0	<50.0	<0.025	<0.1	526	
	CS-56		<20.0	188	76.9	<0.025	<0.1	278	
	CS-57		<20.0	32.0	<50.0	<0.025	<0.1	595	
4/18/2022	CS-58		<20.0	<25.0	<50.0	<0.025	<0.1	<200	
	CS-59		<20.0	100	<50.0	<0.025	<0.1	304	
	CS-60		<20.0	38.2	<50.0	<0.025	<0.1	620	
	CS-61		<20.0	<25.0	<50.0	<0.025	<0.1	573	
	CS-62	Base (18 to 22 ft)	<20.0	<25.0	<50.0	<0.025	<0.1	<200	
	CS-63		<20.0	42.4	<50.0	<0.025	<0.1	554	
	CS-64		<20.0	<25.0	<50.0	<0.025	<0.1	394	
	CS-65		<20.0	69.9	<50.0	<0.025	<0.1	<200	
	CS-66		<20.0	31.3	<50.0	<0.025	<0.1	<400	
	CS-67		<20.0	<25.0	<50.0	<0.025	<0.1	<200	
	CS-68		<20.0	<25.0	<50.0	<0.025	<0.1	264	
	CS-69		<20.0	88.4	<50.0	<0.025	<0.1	<400	
	CS-70		<20.0	<25.0	<50.0	<0.025	<0.1	<400	
	CS-70		<20.0	<25.0	<50.0 <50.0	<0.025	<0.1	<400	
	CS-71		<20.0	<25.0	<50.0	<0.025	<0.1	909	
	CS-72		<20.0	<25.0	<50.0	<0.025	<0.1	839*	
	CS-74	SW Ramp	<20.0	<25.0	<50.0 <50.0	<0.025	<0.1	739*	
	CS-74		<20.0	<25.0	<50.0 <50.0	<0.025	<0.1	<400	
	CS-76		<20.0	<25.0	<50.0 <50.0	<0.025	<0.1	<400	
		NE Ramp	<20.0		<50.0 <50.0		<0.1	<200	
	CS-78	ive ivallip		<25.0		<0.025			
5/26/2022	CS-78	SW/ Pamp	<20.0	65.6	<50.0	<0.025	<0.1	204	
5/26/2022	CS-79	SW Ramp	<20.0	<25.0	<50.0	<0.025	<0.1	591	

^{*} These ramp samples are below 4 feet below ground surface; therefore, they can be left in place.



Appendix A



Site Photography





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October 8, 2021



Picture 1: Excavation (View 1)



Picture 2: Excavation West Wall



Picture 3: Northeast Ramp



Picture 4: Southwest Ramp



Picture 5: Final Excavation (View 1)



Picture 6: Final Excavation (View 2)



Picture 7: Soil Boring Drilling Activities



Picture 8: Completed SB-1



Picture 9: SB-1 P&A



Picture 10: Backfilling Activities of SB-1



Picture 11: Backfilling Activities



Picture 12: Backfilling Activities

Appendix B



Field Notes





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Daily Spill Visit Report

Client:	EOG Resources	Inspection Date:	3/22/2022
Site Location Name:	Lucky Wolf 31 Federal #2H	Report Run Date:	3/24/2022 5:36 PM
Client Contact Name:	Bob Asher	API #:	3001537448
Client Contact Phone #:	575-365-4021		
Unique Project ID	19034-0005-Lucky Wolf	Project Owner:	F. Aragon
	31 Federal #2H		
Project Reference #	19034-0001	Project Manager:	T. Knight
		Summary of	Times
Arrived at Site	3/22/2022 7:30 AM		
Departed Site	3/22/2022 5:30 PM		

Field Notes

- **8:22** Crew arrived on site @ 8:15
- 8:44 Moved previous PCS pile to southwest of location
- 9:40 Obvious signs of contamination on base. Hard, rock-like layer broken through. South wall shows signs of heavy contamination.
- 12:35 Western wall dug to visible clearance 10' horizontally
- **12:35** Northern wall dug to visible clearance 12' horizontally.
- **12:36** Contamination seems to be consistent across all walls depth-wise.
- 12:38 All PCS being stockpiled in southwest corner of location. Roughly 40-50 yards so far.
- **14:20** Excavation seems to reveal contamination moving in a downward direction away from wellhead in all directions. Unclear how far down at this point
- **15:21** 2nd mouse hole found southeast of wellhead approximately 5'
- 17:13 End of day, all removed PCS stockpiled in SW corner of location. Excavation measures 30'x24'x12'deep

Next Steps & Recommendations

Daily Spill Visit Report

1



Run on 3/24/2022 5:36 PM UTC Powered by www.krinkleldar.com Page 2 of 6

Daily Spill Visit Report

Site Photos



Previous dirt pile removal



Viewing Direction: North

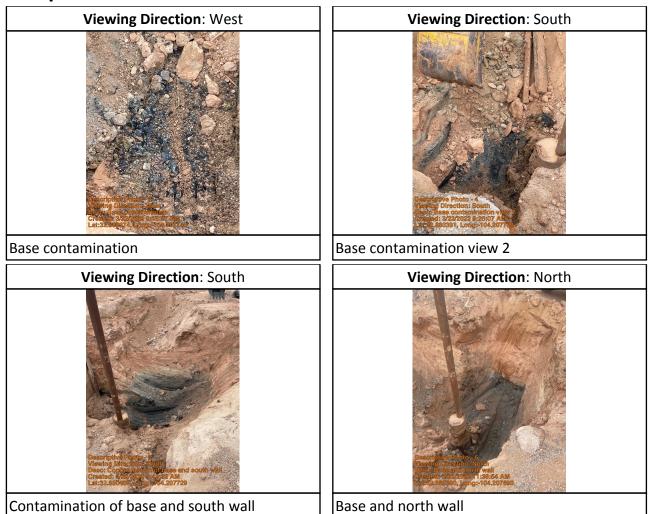
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Excavation overview

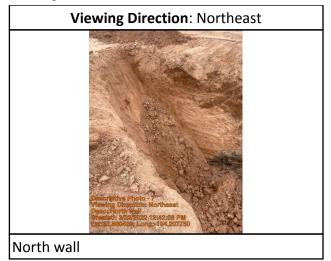


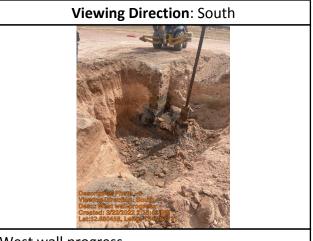
Debris in pile

Daily Spill Visit Report

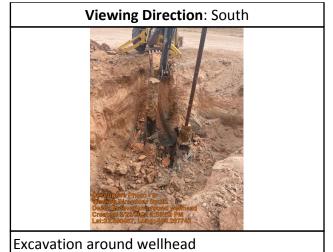


Daily Spill Visit Report





West wall progress



Daily Spill Visit Report

Daily Site Visit Signature

Inspector: Kholeton Sanchez

Signature: __

3-24

3-31

105 envirotech EOG . Envmtl. SpcIst: CLIENT: Lucky Whis 2 19034-0010 Site Name: CLIENT/JOB #: 505-632-0615 -1-800-362-1879 LAT <u> 3-23</u>-22 32.88036 START DATE: 5796 US Highway 64 3-24-21 LONG FINISH DATE: -104.207723-31-22 Farmington, NM 87401 Page # Field Screening Report VOC TPH (Method 418.1) CHLORIDE PID/OV CALC. TIME DESCRIPTION TIME READING TIME TIME mg/kg SAMPLE NAME COLLECTED ppm ppm 11:26 10.3 11:38 21:21 120 <300 11:18 WEST WALL 30 3-23 WEST WALD CS-01 14:10 21:28 14:06 352 CS-02 16.4 MORTH WALL 102 408 200 500 228 21:11 428 11:43 11.59 23.0 12:01 392 BASE S.E. 21:35 107 (5-05 12.29 268 00 21:43 67 282 17:21 CS-04 12:08 WEST WALL-SOUTH 21:51 13:07 <281 13:23 0.0 68 17 CS-05 WEST WALL- MORTH 13:06 17 15:03 0.0 22:08 68 15:06 C 281 C5-06 14:40 MORTH WALL - WEST 352 22:11 26 MORTH WALL-EAST 104 15:06 Cr-07 14:44 15:05 0.0 22:11 64 16:15 C 281 CC-08 16:50 ENT WALL-MORTH 16:13 0.0 16 C1-09 16:54 EAST WALL - SOUTH 1614 22:15 16 16:17 < 281 0.0 227 200 STD 21.13 3-29 CS-10 08 10:24 10:23 21:22 390 10:05 0.0 27 SOUTH WALL-EAST 84 21 13:22 21:26 13:26 366 C5-11 13:01 SOUTH WALL - WEST 0.0 BASE - SOUTH FAFT 21:29 179 716 16:20 2.0 16:32 315 CS -12 15.20 352 16:22 21:32 88 16:33 CS-13 15:52 BASE - SOUTH EAST 0.2 431 1036 16:34 CS-14 15:53 BASE - MORTH EAST 16:24 14.5 21:35 259 390 184 16:26 21:38 51-12 BASE - MORTH WEST 2-84.4 415 14:75 431 15:59 183 200 570 21:36 21:36 3.30 TP-1 22:08 166 352 11:50 TEST PIT-SW 664 12:20 <281 11:52 22:10 - 40 - 160 TP -2 TEST PIT - SE 12:22 -73 22:13 -292 11:54 12:24 C281 TP - 3 TEST PIT - NE -62 TP-4 22:16 -248 11:57 TEST PIT - NW 12:26 6281 11:20 188 White Rock Exch 11:26 5-656 11:02 11:28 1.4 1.414 WHITE ROCK 252 5-16 12:16 63 17:00 BOTTOM OF BASE NOTES: Include laboratory analysis information

	CLIENT:	EOG		(3)	envi	rote	ch	Envmtl. S	pclst:	KS	
	CLIENT/JOB#:	: 19034-0010						Site Name	e:	Luckyh	la E
	START DATE:	3-31-22		505-63	32-0615	1-800-3	62-1879	LAT	32.880	>76	
100000000000000000000000000000000000000	FINISH DATE:	3-71-22		5	796 US F	lighway 6	4	LONG -			
	Page #	of		Fa	armingto	n, NM 874	01				
				Field	Screen	ing Rep	ort				
					V(OC .	TPH	(Method 4	118.1)	CHL	ORIDE
	SAMPLE NAME	TIME COLLECTED	DESCR	IPTION	TIME	PID/OV ppm	TIME	READING	CALC.	TIME	mg/kg
1	C5-17	14:35	MORTWALL	, - E							
	CS-18	14:37	HULT HWALL								
	CS-19	17:39	EAST WALL	n1							
	CS-20	14.40	EAST WALL								
	CS-21	15:00	EAST WALL								
	C2-33	15:03	EAST WAY								
	CS-23	15:06	SOUTH WALL		ļ				***************************************		
(manda)	C5-24	15:09	SOUTH WAL		<u> </u>						
to the same of	CS-25	15:12	WEST WA	<u></u>							
	CS-26	15:15	BASE I		ļ						
	CS-27	15:18	BASE 2	**************************************							
- Maria	C1-28	15:22	PAJE 3	······	<u> </u>				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
- 19-	C5-29	15:25	BASE 4	***************************************							
	CS-70 CS-71	15:42	BASE 5								
-	CS-37	15:45	BASE 6							-	ļ
omadona.	CS-31	15:48	BAJE 7				***************************************	ļ			
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SALES CALLES CONTRACTOR	10100	. , .	• •								
September 1											
Name of Street											
8											

Daily Spill Visit Report

Client:	EOG Resources	Inspection Date:	3/23/2022
Site Location Name:	Lucky Wolf 31 Federal #2H	Report Run Date:	3/24/2022 5:36 PM
Client Contact Name:	Bob Asher	API#:	3001537448
Client Contact Phone #:	575-365-4021		
Unique Project ID	19034-0005-Lucky Wolf 31 Federal #2H	Project Owner:	F. Aragon
Project Reference #	19034-0001	Project Manager:	T. Knight
		Summary of	Times
Arrived at Site	3/23/2022 7:00 AM		
Departed Site	3/23/2022 3:30 PM		

Field Notes

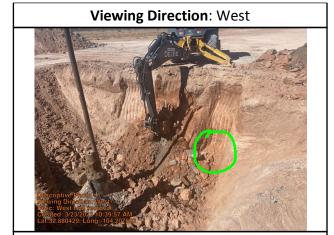
- 8:55 Crew did not arrive until 8:00. Larry had a drug test. Began excavation at 8:20. Excavating on south and west walls so far.
- 10:40 West wall needs more excavation. Will remove 2-3 feet
- **11:14** Entire west wall as well as north wall visibly clean. All of base still visibly stained. Track hoe will be on site tomorrow for base excavation per Rocky Hocker.
- **14:11** Field sampled western and northern walls. Chlorides are fine and VOCs are 10.3 and 16.4 respectively.
- **14:41** Finished the day with excavation around 2nd Rat hole. Roughly 275-300 cubic yards excavated total. Will begin work tomorrow with track hoe

Next Steps & Recommendations

1

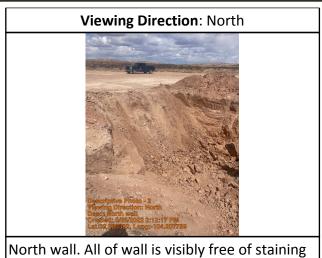
Daily Spill Visit Report

Site Photos



West wall removal. Green area is clear.







Daily Spill Visit Report



Daily Site Visit Signature

Inspector: Kholeton Sanchez

Signature:

Daily Spill Visit Report

Client:	EOG Resources	Inspection Date:	3/24/2022
Site Location Name:	Lucky Wolf 31 Federal #2H	Report Run Date:	5/6/2022 4:37 PM
Client Contact Name:	Bob Asher	API#:	3001537448
Client Contact Phone #:	575-365-4021		
Unique Project ID	19034-0005-Lucky Wolf 31 Federal #2H	Project Owner:	F. Aragon
Project Reference #	19034-0001	Project Manager:	T. Knight
		Summary of	Times
Arrived at Site	3/24/2022 7:00 AM		
Departed Site	3/24/2022 5:30 PM		

Field Notes

- 10:04 Carlos from Hocker arrived at 7:15, cleared the excavation of berms. Standby until excavator showed up at 9:30
- 10:16 Thick concrete all around wellhead and rat holes. Electing to dig actual soil around concrete in order to find contamination
- 15:06 Western AND Northern wall delineated at PID readings of 0.0. (South and North of West wall) (West and East of North wall)
- **16:34** Finished off day by excavation east wall 3 more feet. Also made a ramp entrance coming in from the west side of excavation. Will fence off entire excavation before leaving

Next Steps & Recommendations

1

Daily Spill Visit Report

Site Photos



Excavation activities



West wall excavation. All of wall excavated to visibility and odor clearance



Concrete around wellhead



North/East excavation activities

Daily Spill Visit Report



Excavation overview (end of day)



Excavation overview (end of day) view 2



Excavation overview (end of day) view 3



Excavation overview (end of day) view 4

Daily Spill Visit Report





Fencing around excavation

Daily Spill Visit Report



Daily Site Visit Signature

Inspector: Kholeton Sanchez

Signature:

Daily Spill Visit Report

Client:	EOG Resources	Inspection Date:	3/28/2022
Site Location Name:	Lucky Wolf 31 Federal #2H	Report Run Date:	5/6/2022 4:37 PM
Client Contact Name:	Bob Asher	API#:	3001537448
Client Contact Phone #:	575-365-4021		
Unique Project ID	19034-0005-Lucky Wolf 31 Federal #2H	Project Owner:	F. Aragon
Project Reference #	19034-0001	Project Manager:	T. Knight
		Summary of ¹	Times
Arrived at Site	3/28/2022 12:00 PM		
Departed Site	3/28/2022 4:00 PM		
		Field Note	es

- **12:50** 3 belly dumps and 3 end dumps arrived on site ready to be loaded. Will load with track hoe.
- 13:50 All trucks loaded and left by 13:50. ~96-100 yd3
- 15:55 Finished day with cleaning up all remaining PCS and stockpiled it in main pile. Plan to have all trucks here at 7:00 tomorrow as well as begin excavation.

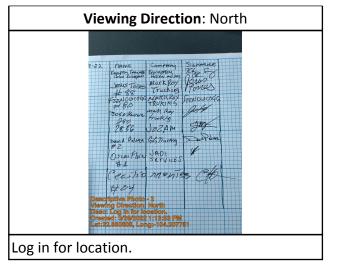
Next Steps & Recommendations

Daily Spill Visit Report

Site Photos



Trucks for transport



Viewing Direction: South





Daily Site Visit Signature

Inspector: Kholeton Sanchez

Signature:



Client:	EOG Resources	Inspection Date:	3/29/2022
Site Location Name:	Lucky Wolf 31 Federal #2H	Report Run Date:	5/6/2022 4:37 PM
Client Contact Name:	Bob Asher	API#:	3001537448
Client Contact Phone #:	575-365-4021		
Unique Project ID	19034-0005-Lucky Wolf 31 Federal #2H	Project Owner:	F. Aragon
Project Reference #	19034-0001	Project Manager:	T. Knight
		Summary of	Times
Arrived at Site	3/29/2022 7:00 AM		
Departed Site	3/29/2022 5:00 PM		
		et da su d	

Field Notes

- 9:44 Trucks being loaded at 7:15. 4 end dumps, 3 belly dumps. ~108yds3. Trucks finished at 8:00
- **11:31** Beginning excavation on south wall. East end of wall complete and field screening @ O.O for VOC and 390 for chlorides. Beginning west of south wall excavation
- 11:32 4 end dumps loaded and gone. 3 belly dumps being loaded now and on their way to Lea Land (2nd trip)
- 13:50 Sour wall complete per field screening. Excavating base with backhoe now

Next Steps & Recommendations

Daily Spill Visit Report

Site Photos



Loading activities



Viewing Direction: South



Excavating south wall 3 more feet



South wall excavation



Daily Site Visit Signature

Inspector: Kholeton Sanchez

Signature:

Daily Spill Visit Report

Client:	EOG Resources	Inspection Date:	3/30/2022
Site Location Name:	Lucky Wolf 31 Federal #2H	Report Run Date:	5/6/2022 4:37 PM
Client Contact Name:	Bob Asher	API#:	3001537448
Client Contact Phone #:	575-365-4021		
Unique Project ID	19034-0005-Lucky Wolf 31 Federal #2H	Project Owner:	F. Aragon
Project Reference #	19034-0001	Project Manager:	T. Knight
		Summary of	Times
Arrived at Site	3/30/2022 7:15 AM		
Departed Site	3/30/2022 2:30 PM		

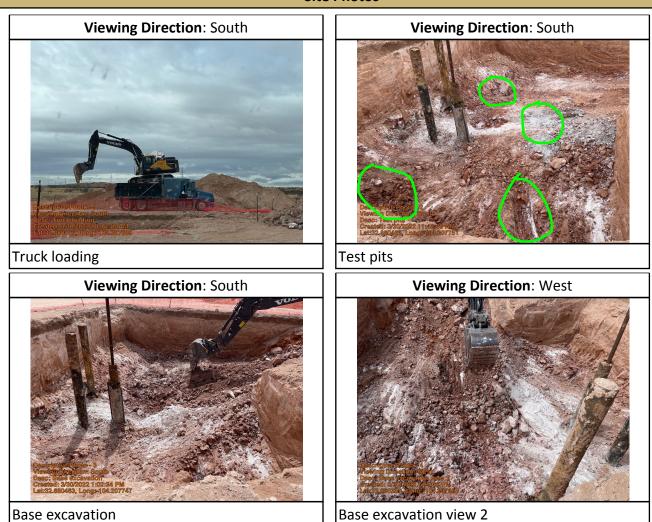
Field Notes

- 10:15 Arrived on site to trucks being loaded and leaving. Same amount as yesterday
- 10:15 Began cleaning stuff around base and pot holing at 9:30
- 10:16 1st truck arrived back for 2nd trip at 10:15
- 14:09 Trucks unable to make it back for 3rd trip.
- 14:10 Dug three feet southwest of wellhead, white powdery rock. Maybe gypsum. Got underneath and it's clay. Looking for extents
- 14:10 Done for day. Larry and Carlos have to meet the truckers at Lea Land. Excavation fenced off and will continue excavation tomorrow.

Next Steps & Recommendations

Daily Spill Visit Report

Site Photos





Daily Site Visit Signature

Inspector: Kholeton Sanchez

Signature:

Daily Spill Visit Report

Client: EOG Resources Inspecti		Inspection Date:	3/31/2022		
Site Location Name:	Lucky Wolf 31 Federal #2H	Report Run Date:	5/6/2022 4:37 PM		
Client Contact Name:	Bob Asher	API #:	3001537448		
Client Contact Phone #:	575-365-4021				
Unique Project ID	19034-0005-Lucky Wolf 31 Federal #2H	Project Owner:	F. Aragon		
Project Reference #	19034-0001	Project Manager:	T. Knight		
		Summary of	Times		
Arrived at Site	3/31/2022 7:15 AM				
Departed Site	3/31/2022 4:30 PM				

Field Notes

10:18 Upon arrival, trucks being loaded. 5 end dumps and 2 belly dumps. Finished at 7:45.

8:52 Continuing excavation on base

8:55 Widening ramp on east side of excavation

10:36 2nd trip of trucks being loaded

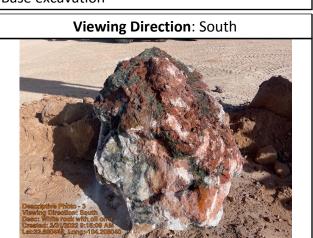
Next Steps & Recommendations

Daily Spill Visit Report

Site Photos



Base excavation



White rock with oil on it. Still wet



Soil work being done



Where white rock with oil was





Base excavation (bottom at approximately 18')

Daily Spill Visit Report

Daily Site Visit Signature

Inspector: Kholeton Sanchez

Signature: Signature

Daily Spill Visit Report

Client:	EOG Resources	Inspection Date:	4/6/2022
Site Location Name:	Lucky Wolf 31 Federal #2H	Report Run Date:	5/6/2022 4:30 PM
Client Contact Name:	Bob Asher	API#:	3001537448
Client Contact Phone #:	575-365-4021		
Unique Project ID	19034-0005-Lucky Wolf 31 Federal #2H	Project Owner:	F. Aragon
Project Reference #	19034-0001	Project Manager:	T. Knight
		Summary of	Times
Arrived at Site	4/6/2022 7:15 AM		
Departed Site	4/6/2022 5:00 PM		
		-1.11	

Field Notes

- **10:17** Took down fence at 7:15 and began widening ramp.
- 10:18 Base excavation is revealing non-visible, but odor contamination. Pretty strong still
- 12:40 Field testing of base level shows a calculated TPH reading of 72 and chloride level of <281. Will continue to dig base to current depth
- 15:41 Finished excavating for day. North side of base dug out as much as possible

Next Steps & Recommendations

Daily Spill Visit Report

Site Photos



Base excavation @ 10:15



Descriptive Pflotops a. Viewing Direction: South

Viewing Direction: South

Excavation @ 15:45



Excavation fencing at end of day



Daily Site Visit Signature

Inspector: Kholeton Sanchez

Signature:

CLIENT: **Senvirotech** E06 Envmtl. Spcist: K5 CLIENT/JOB #: Site Name: Lucky White 3/ Fap 2 19034-0010 START DATE: 505-632-0615 | 1-800-362-1879 4-622 LAT 32.88036 FINISH DATE: 4-7-22 5796 US Highway 64 LONG -104, 20+42 Page # Farmington, NM 87401 of Field Screening Report VOC TPH (Method 418.1) CHLORIDE TIME SAMPLE NAME PID/OV **DESCRIPTION** TIME CALC. TIME COLLECTED READING TIME mg/kg ppm CS-34 ppm 10:48 Bose à 18-20. 11:78 72 12:00 C281 11:15 200 542 11:15 187 C5-35 15:44 Doso 0 18-20 - N 15:58 20 80 16:26 C281 15:38 200 Std 15:38 183 CS-36 15:32 M.E COMMER 2 12' 15:48 51 204

NOTES: Include laboratory analysis information

Revised 6/14/2021

Daily Spill Visit Report

Client:	EOG Resources	Inspection Date:	4/7/2022
Site Location Name:	Lucky Wolf 31 Federal #2H	Report Run Date:	5/6/2022 4:29 PM
Client Contact Name:	Bob Asher	API#:	3001537448
Client Contact Phone #:	575-365-4021		
Unique Project ID	19034-0005-Lucky Wolf 31 Federal #2H	Project Owner:	F. Aragon
Project Reference #	19034-0001	Project Manager:	T. Knight
		Summary of	Times
Arrived at Site	4/7/2022 10:45 AM		
Departed Site	4/7/2022 4:30 PM		

Field Notes

14:42 Upon arrival, trucks being loaded. 10 end dumps and 1 belly dump.

14:43 Ramp was dug into east wall in order to continue excavating base

14:43 Trucks showed back up at 14:30

Next Steps & Recommendations

Daily Spill Visit Report

Site Photos





Daily Site Visit Signature

Inspector: Kholeton Sanchez

Signature: _/

Daily Spill Visit Report

Client:	EOG Resources	Inspection Date:	4/12/2022
Site Location Name:	Dazed BDZ Federal Com #2	Report Run Date:	5/6/2022 4:29 PM
Client Contact Name:	Bob Asher	API#:	
Client Contact Phone #:	575-365-4021		
Unique Project ID	19034-Dazed BDZ Federal Com #2	Project Owner:	F.Aragon
Project Reference #	19034-0008	Project Manager:	B. Hall
		Summary of	Times
Arrived at Site	4/12/2022 7:00 AM		
Departed Site			

Next Steps & Recommendations

Field Notes

Daily Spill Visit Report

Site Photos

Viewing Direction: North

Further excavation of base main section 1



Daily Spill Visit Report

Daily Site Visit Signature

Inspector: Isaac Garcia

Signature:



Client:	EOG Resources	Inspection Date:	4/18/2022
Site Location Name:	Lucky Wolf 31 Federal #2H	Report Run Date:	5/6/2022 4:29 PM
Client Contact Name:	Bob Asher	API#:	3001537448
Client Contact Phone #:	575-365-4021		
Unique Project ID	19034-0005-Lucky Wolf 31 Federal #2H	Project Owner:	F. Aragon
Project Reference #	19034-0001	Project Manager:	T. Knight
		Summary of	Times
Arrived at Site	4/18/2022 8:00 AM		
Departed Site	4/18/2022 3:00 PM		
		Field Not	es

8:14 Arrived on site, spoke with Larry Barnes about plans for today for confirmation sampling

18:31 Completed confirmation sampling at 14:45

Next Steps & Recommendations



Daily Site Visit Signature

Inspector: Kholeton Sanchez

Signature:

ewed by OCD: 8/16/2022 10:07	DIA	GRADE WELL COMPLE GRAM / LITHOLOGY LO	erion DG MW	Page 62 o
r— TRAFF	MOUNT IC RATED		SB 1	
LOCKING CAP— CONCRETE—		Æ.	שניט	
A 1 (19)	ET TOME SAMPLE HEADS	LITHOLOGY S.		
DEN DEN	E. Lin. LAL HISTORY	LITRIO	AMPLE DESCRIPTION	DEPTH
	15:57	WHITE-FINE	2	
CONDRETE				j. Ö,
		₹ Ep		10
CENENT A				
INCH PVC FLUSH	16:21	RED		
INT. THREADED SCHD 40 CASTING				10'
				20'
TOP BENT,				
	16.52	DAME BROWN - WHITE SPI	<u>ECF</u>	
TOP SAND				20'
TOP SOREEN		CLAY-BROWN		
INCH PVC 0.010 SCHO 40 FLUSH INT				30,
THREADED SCREEN				
	17:19			30'
BTM SCREEN				
P BLANK SUMP WITH END CAP ONBTM		DRY CLAY		40'
Well Materials Used:		FINE BROWN		
West Materials Used:	8:00			
Sks 10-12 Silica Sand				40
Sks Bentonite Chips Sks Class "A" Cement				20,
Sks Quickcrete Ft Blank Casing	18.45	WEEP BROWN - CLAL		
Ft Screen				
Well Development:				
Bailed Pumped				
Gallons of Water				
Remarks:	+-++			
	+-++			
2				1
ILLER: BEN	BIT SIZE:		LOCATION: LUCKY WOLF 3	1 FED 2H
LPER: KYUE		ING DEPTH: 50	ELEVATION:	
ILLING COMPANY: HRU			DATE COMPLETED/_	
te: SS = Split Spoon A = Aug		YPE:	GEOLOGIST: KSANCHEZ	
		VIROTECH INC.		
REVISIONS DATE		ONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64		
DATE JOB #	F/	ARMINGTON, NEW MEXICO 87401 (505) 632-0815 BithGridog.dwg	ATE DRAWN	PAGE

CLIENT:	EUG					- l-	Enymti S	polet: 7 (20.00	5
	19034-00		(3	envi	rote	CII	Envmtl. Spclst: T. Garcie Onsite: 17:30			
CLIENT/JOB #:			E0E 62	2.0645	1 900	362-1879			- 1	3: 13,30
	5/26/203						1	32,880		
FINISH DATE:	5/26/20	22		796 US F			LONG:	- 104. 20	0777	•
Page #	lof		Fa	rmingtor	1, NM 87	401				
LOCATION:	Name:		Wolf		Well #:	31 Federa	1年2日	API: 30-0	15-3	7445
	County:	Eddy		-	State:	NM		HWY-MM:		
Cause of Release:				_Material R	eleased:			Amt. Relea	sed:	
QUAD/UNIT:	that a come	SEC:				RNG:	28E	PM:		
Spill Located Approxim		100								
Excavation Approx:						FT.	Volume (c	v/tons):		
Disposal Facility:		,						, , .		
Land Use:	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			_			Land Own	er:		
REGULATORY AGEN	CV.					TPH CLOS	SURE STD:			
ADDITIONAL CLOSUF		ENTS:	<u> </u>			IFII GLO	SUNE STD.			
ADDITIONAL GEOGGI	CE IVE GOTTEN	LIVIO.		V	OC	ТРН	(Method	418 1)	C	hloride
	TIME				PID/OV			CALC		
SAMPLE NAME	COLLECTED	DESCI	RIPTION	TIME	ppm	TIME	READING	ppm	TIME	mg/kg
CS-79	15:08	Sw Ram	20							
			1		:*				1111	
				1						

		<u> </u>		-2.73					111	
				1						
				-						
				-						******
		NO	TES: Includ	le laborator	y analysis i	nformation				
CS-COMPOSITE SAMPLE										
GS-GRAB SAMPLE										
SB-SOIL BORING TP-TEST PIT										
DU- DECISION UNIT										
ST-STATION										

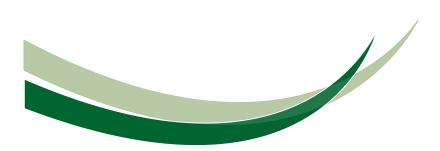
Page 1 Of _____

	SITE PERIMETER: Draw a schematic of the spill site. Attach photos and other diagrams as needed.
8 - 17 3 B	500 100 500
	EXCAVATION OVERVIEW:
	ENGINATION OF ENTIRETY.
4.	
411	EXCAVATION PROFILE VIEWS:
Sample Name:	Sample Name:
Sample Name:	Sample Name:

Appendix C



Siting Criteria Documentation



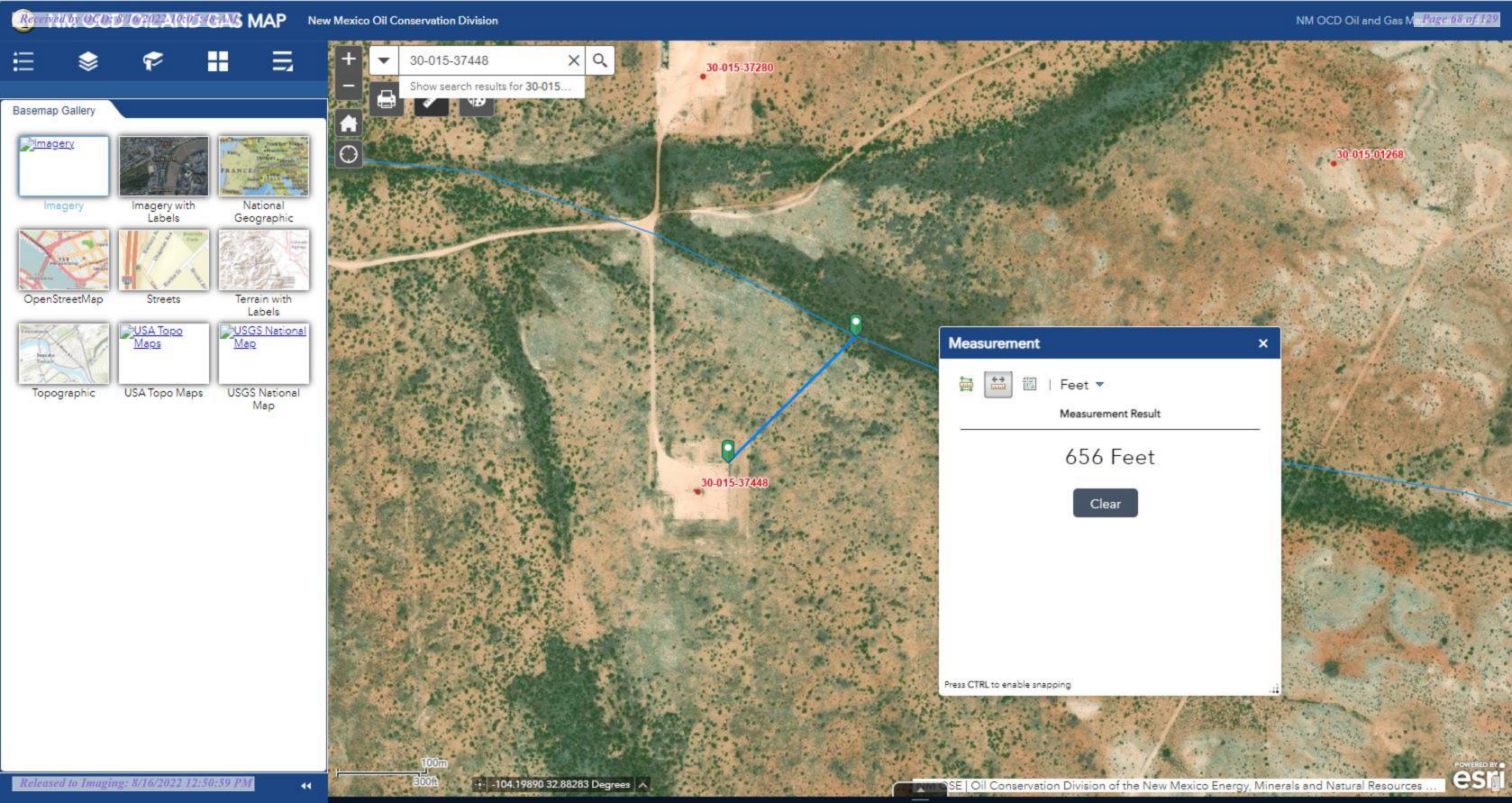


Practical Solutions for a Better Tomorrow

Site Name: Lucky Wolf 31 Federal Com #2h								
API#:	30-015-37448							
Lat/Long:	32.88036, -104.2	32.88036, -104.20772						
	Unit H, Sec 31 T							
Land Jurisdiction:		102 14 02						
County:								
County.	Eddy		I					
Wellhead Protection Area Assessment								
Water Source Type								
(well/spring/stock pond)	ID	Latitude	Longitude	Distance				
Distance to Nearest Significant Watercourse								
656 feet south of unnamed tributary of Dog Car	nyon Draw (3,519	amsl)						
Depth to Groundwater Determination								
Cathodic Report/Site Specific Hydrogeology								
Elevation Differential								
Water Wells	Exploratory soil b	ooring RA-13	3179 at 50 feet	t dry				
Sensitive Receptor Determination				·				
<300' of any continuously flowing watercourse	or any other signif	icant waterco	ourse	No				
<200' of any lakebed, sinkhole or playa lake (m	easured from the C	Ordinary High	n Water	No				
<300' of an occupied permanent residence, scho	ool, hospital, institu	ution or churc	ch	No				
<500' of a spring or private/domestic water well	used by <5 house	holds for dor	nestic or					
stock watering purposes				No				
<1000' of any water well or spring				No				
Within incorporated municipal boundaries or w	ithin a defined mu	nicipal fresh	water well	No				
<300' of a wetland				No				
Within the area overlying a subsurface mine								
Within an unstable area								
Within a 100-year floodplain								
DTW Determination ≤ 50 \square $50-100$ \square >100 \square								
Benzene		10	10					
BTEX (mg/kg)		50	50					
8015 TPH (GRO/DRO) (mg/kg)	Not Applicable	1,000	1,000					
8015 TPH (GRO/DRO/MRO) (mg/kg)	8015 TPH (GRO/DRO/MRO) (mg/kg) 100 2,500 2,500							
Chlorides (mg/kg) 600 10,000 20,000								





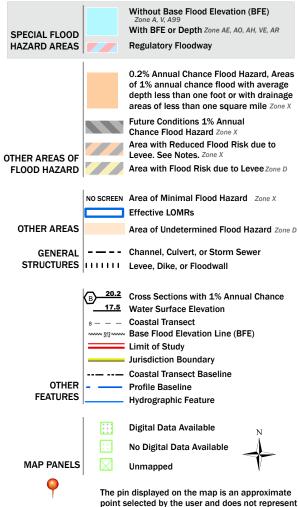


National Flood Hazard Layer FIRMette





SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

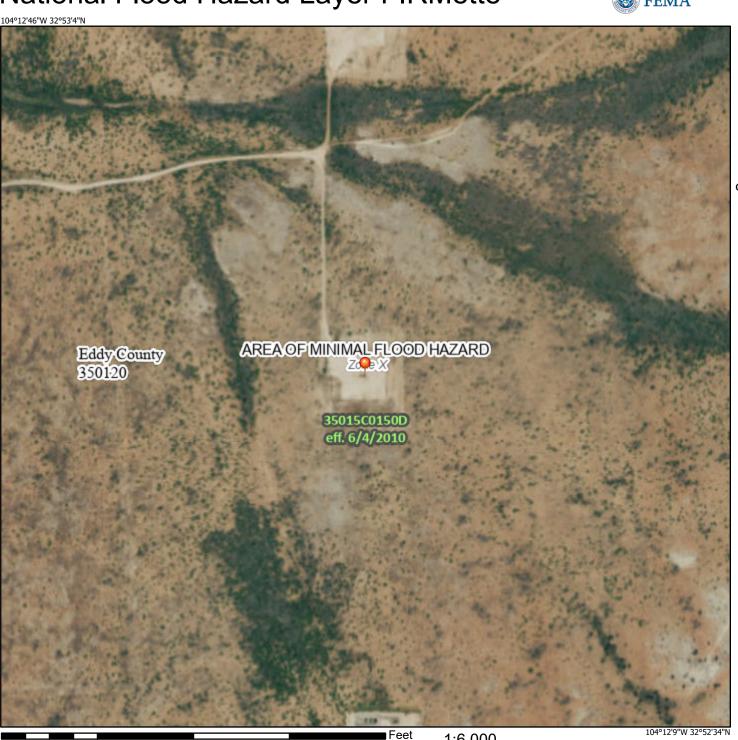


This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

an authoritative property location.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/23/2022 at 12:40 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



Appendix D



Regulatory Correspondence





Practical Solutions for a Better Tomorrow

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	nAPP2128557106
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party			OGRID				
EOG Resources, Inc.			7377				
Contact Name				Contact Telephone			
Robert Asher				575-748-4217			
Contact ema	il				ncident # nAPP2128557106		
bob_asher@	eogresource	s.com					
Contact mail							
104 South Fo	ourth Street,	Artesia, NM 8821	10				
	Location of Release Source						
Latitude 32.8	Latitude 32.88036 Longitude -104.20772 (NAD 83 in decimal degrees to 5 decimal places)						
Site Name: L	ucky Wolf 3	31 Federal Com #2	2H		Site Type: Well Pad		
Date Release	Discovered	: 9/28/2021			API# 30-015-37448		
Unit Letter	Unit Letter Section Township Range County						
		-		E 44	County		
Н	31	16S	28E	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)							
Crude Oil		Volume Release			Volume Recovered (Unknown)		
Non-	Water	Volume Release	ed (Unknown)		Volume Recovere	ed (Unknown)	
Is the concentration of dissolved chloride produced water >10,000 mg/l?			chloride	the Yes No	e X Yes No		
Condensate Volume Released (bbls)				Volume Recovered	Volume Recovered (bbls)		
Natural Gas Volume Released (Mcf)				Volume Recovered	Volume Recovered (Mcf)		
Volume/Weight Released			Volume/Weight l	Volume/Weight Recovered			
	cting decom					H was plugged and abandoned, ry hole marker. (approximate area,	

Received by OCD: 8/16/2022 10:07:48 AM State of New Mexico Page 2 Oil Conservation Division

Page	72	of	1	29
				1

Incident ID	NAPP2128557106
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the respo	nsible party consider this a major release?	
☐ Yes ⊠ No			
If YES, was immediate n	otice given to the OCD? By whom? To wh	nom? When and by what means (phone, email, etc)?	
	Initial R	esponse	
The responsible	party must undertake the following actions immediate	y unless they could create a safety hazard that would result in injury	
The source of the rele	ease has been stopped.		
The impacted area ha	as been secured to protect human health and	the environment.	
Released materials ha	ave been contained via the use of berms or	likes, absorbent pads, or other containment devices.	
All free liquids and re	ecoverable materials have been removed an	d managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:			
Per 19 15 29 8 B (4) NM	IAC the responsible party may commence t	emediation immediately after discovery of a release. If remediation	
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.			
		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.	r		
Printed Name: Robert Ash	er	Title: Environmental Supervisor	
Signature:	MOU.	Date:	
email: bob asher@eogre	sources.com	Telephone: <u>575-748-4217</u>	
OCD Only			
Received by: Ramo	na Marcus	Date: 10/13/2021	
10001104 03.		<u> </u>	

	Page 73 of 12	29
Incident ID	NAPP2128557106	
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?	>50 (ft bgs)			
Did this release impact groundwater or surface water?	Yes 🗓 No			
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No			
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	Yes X No			
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	Yes X No			
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Yes X No			
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes X No			
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	Yes X No			
Are the lateral extents of the release within 300 feet of a wetland?	Yes No			
Are the lateral extents of the release overlying a subsurface mine?	Yes X No			
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No			
Are the lateral extents of the release within a 100-year floodplain?	Yes No			
Did the release impact areas not on an exploration, development, production, or storage site?	Yes X 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 wel	ls.			
$\overline{\mathbf{x}}$ 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				
x Boring or excavation logs				
X Photographs including date and GIS information Topographic/Aerial maps				

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.

x Laboratory data including chain of custody

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Incident ID	
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: Jeremy Haass	Title: S&E Specialist			
Signature: Ty Hiss	Date: 8/16/2022			
email: jeremy_haass@eogresources.com	Telephone: 575-748-4311			
OCD Only				
Received by:	Date:08/16/2022			

	Page 75 of 129
Incident ID	NAPP2128557106
District RP	
Facility ID	
Application ID	

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 def	ferral of remediation.				
☐ Contamination must be in areas immediately under or around production equipment where remediated deconstruction. ☐ Extents of contamination must be fully delineated.					
Extents of containmation must be fully defineded.					
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 unrules and regulations all operators are required to report and/or file certain release notifications and perform which may endanger public health or the environment. The acceptance of a C-141 report by the OCD doliability should their operations have failed to adequately investigate and remediate contamination that posurface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not responsibility for compliance with any other federal, state, or local laws and/or regulations.	em corrective actions for releases es not relieve the operator of use a threat to groundwater,				
Printed Name: Jeremy Haass Title: S&E Specialist					
Signature: Date: 8/16/2022					
email: jeremy_haass@eogresources.com Telephone: 575-748-4311					
OCD Only					
Received by: Jocelyn Harimon Date: 08/16/2022					
☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied	☐ Deferral Approved				
Signature: Date:					

Page 76 of 129

Incident ID	NAPP2128557106
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 i	tems must be included in the closure report.		
X A scaled site and sampling diagram as described in 19.15.29.1	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)			
x Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)		
x Description of remediation activities			
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and replacement human health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in		
Printed Name: Jeremy Haass	Title: S&E Specialist		
Signature: Ty Huss	Date: 8/16/2022		
email: jeremy_haass@eogresources.com_	Telephone: <u>575-748-4311</u>		
OCD Only Received by: Jocelyn Harimon	Date:08/16/2022		
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.		
Closure Approved by:	Date: 08/16/2022		
Printed Name: Jennifer Nobui	Title: Environmental Specialist A		

From: <u>Jeremy Haass</u>

To: <u>Tami Knight</u>; <u>Brittany Hall</u>

Subject: FW: Lucky Wolf 31 Federal Com 2H (nAPP2128557106) Sampling Notification

Date: Wednesday, April 13, 2022 2:50:49 PM

Attachments: image001.png

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

FYI

From: Tina Huerta <Tina_Huerta@eogresources.com>

Sent: Wednesday, April 13, 2022 1:08 PM

To: Robert.Hamlet@state.nm.us; mnaranjo@slo.state.nm.us; rmann@slo.state.nm.us

Cc: Artesia S&E Spill Remediation <Artesia S&E Spill Remediation@eogresources.com>; Artesia

Regulatory < Artesia Regulatory@eogresources.com>

Subject: Lucky Wolf 31 Federal Com 2H (nAPP2128557106) Sampling Notification

Good Morning,

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

Lucky Wolf 31 Federal Com 2H 30-015-37448 H-31-16S-28E Eddy County, NM nAPP2128557106

Sampling will begin at 8:00 a.m. on Monday, April 18, 2022.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121

Email: tina huerta@eogresources.com



Artesia Division

Brittany Hall

From: Tami Knight

Sent: Monday, June 13, 2022 9:38 AM

To: Brittany Hall

Subject: FW: Lucky Wolf 31 Federal Com 2H (nAPP2128557106) Confirmation Sampling request

From: Jeremy Haass < Jeremy_Haass@eogresources.com>

Sent: Tuesday, May 24, 2022 3:45 PM

To: Brittany Hall

Subject: FW: Lucky Wolf 31 Federal Com 2H (nAPP2128557106) Confirmation Sampling request

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

FYI

From: Miriam Morales < Miriam_Morales@eogresources.com>

Sent: Tuesday, May 24, 2022 3:04 PM

To: <u>blm_nm_cfo_spill@blm.gov</u>; <u>Robert.Hamlet@state.nm.us</u>; <u>mike.bratcher@state.nm.us</u>; jocelyn.harimon@state.nm.us; Jennifer.Nobui@state.nm.us

Cc: Artesia S&E Spill Remediation < <u>Artesia S&E Spill Remediation@eogresources.com</u>>; Artesia Regulatory < Artesia Regulatory@eogresources.com>

Subject: Lucky Wolf 31 Federal Com 2H (nAPP2128557106) Confirmation Sampling request

Good afternoon,

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

Lucky Wolf 31 Federal Com #2H API 30-015-37448 H-31-16S-28E Eddy County, NM nAPP2128557106

Sampling will begin at 3:00 pm. on Thursday, May 26, 2022. Sample will be collected of the upper 4 feet, southwest wall of the excavation, where the ramp was located.

Thank you,

Miriam Morales

Appendix E



Laboratory Analytical Reports





Practical Solutions for a Better Tomorrow

Report to:
Greg Crabtree







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

Project Name: Lucky Wolf 31 Fed 2H

Work Order: E204095

Job Number: 19034-0010

Received: 4/20/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/22/22

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: 4/22/22

Greg Crabtree 104 South 4th Street Artesia, NM 88210

Project Name: Lucky Wolf 31 Fed 2H

Workorder: E204095

Date Received: 4/20/2022 6:30:00AM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/20/2022 6:30:00AM, under the Project Name: Lucky Wolf 31 Fed 2H.

The analytical test results summarized in this report with the Project Name: Lucky Wolf 31 Fed 2H 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 reguarding 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

ljarboe@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

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Sample Summary

EOG Resources	Project Name:	Lucky Wolf 31 Fed 2H	Donoutoda
104 South 4th Street	Project Number:	19034-0010	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	04/22/22 13:31

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS - 37	E204095-01A	Soil	04/18/22	04/20/22	Glass Jar, 4 oz.
CS - 38	E204095-02A	Soil	04/18/22	04/20/22	Glass Jar, 4 oz.
CS - 39	E204095-03A	Soil	04/18/22	04/20/22	Glass Jar, 4 oz.
CS - 40	E204095-04A	Soil	04/18/22	04/20/22	Glass Jar, 4 oz.
CS - 41	E204095-05A	Soil	04/18/22	04/20/22	Glass Jar, 4 oz.
CS - 42	E204095-06A	Soil	04/18/22	04/20/22	Glass Jar, 4 oz.
CS - 43	E204095-07A	Soil	04/18/22	04/20/22	Glass Jar, 4 oz.
CS - 44	E204095-08A	Soil	04/18/22	04/20/22	Glass Jar, 4 oz.
CS - 45	E204095-09A	Soil	04/18/22	04/20/22	Glass Jar, 4 oz.
CS - 46	E204095-10A	Soil	04/18/22	04/20/22	Glass Jar, 4 oz.
CS - 47	E204095-11A	Soil	04/18/22	04/20/22	Glass Jar, 4 oz.
CS - 48	E204095-12A	Soil	04/18/22	04/20/22	Glass Jar, 4 oz.
CS - 49	E204095-13A	Soil	04/18/22	04/20/22	Glass Jar, 4 oz.
CS - 50	E204095-14A	Soil	04/18/22	04/20/22	Glass Jar, 4 oz.
CS - 51	E204095-15A	Soil	04/18/22	04/20/22	Glass Jar, 4 oz.
CS - 52	E204095-16A	Soil	04/18/22	04/20/22	Glass Jar, 4 oz.
CS - 53	E204095-17A	Soil	04/18/22	04/20/22	Glass Jar, 4 oz.
CS - 54	E204095-18A	Soil	04/18/22	04/20/22	Glass Jar, 4 oz.
CS - 55	E204095-19A	Soil	04/18/22	04/20/22	Glass Jar, 4 oz.
CS - 56	E204095-20A	Soil	04/18/22	04/20/22	Glass Jar, 4 oz.



EOG ResourcesProject Name:Lucky Wolf 31 Fed 2H104 South 4th StreetProject Number:19034-0010Reported:Artesia NM, 88210Project Manager:Greg Crabtree4/22/2022 1:31:26PM

CS - 37 E204095-01

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst:	IY		Batch: 2217012
Benzene	ND	0.0250	1		04/20/22	04/20/22	
Ethylbenzene	ND	0.0250	1		04/20/22	04/20/22	
Toluene	ND	0.0250	1		04/20/22	04/20/22	
o-Xylene	ND	0.0250	1	l	04/20/22	04/20/22	
p,m-Xylene	ND	0.0500	1	l	04/20/22	04/20/22	
Total Xylenes	ND	0.0250	1		04/20/22	04/20/22	
Surrogate: Bromofluorobenzene		88.4 %	70-130		04/20/22	04/20/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		04/20/22	04/20/22	
Surrogate: Toluene-d8		96.6 %	70-130		04/20/22	04/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst:	IY		Batch: 2217012
Gasoline Range Organics (C6-C10)	ND	20.0	1		04/20/22	04/20/22	
Surrogate: Bromofluorobenzene		88.4 %	70-130		04/20/22	04/20/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		04/20/22	04/20/22	
Surrogate: Toluene-d8		96.6 %	70-130		04/20/22	04/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst:	JL		Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1		04/20/22	04/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1		04/20/22	04/20/22	
Surrogate: n-Nonane		111 %	50-200		04/20/22	04/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2217015



EOG Resources	Project Name:	Lucky Wolf 31 Fed 2H	
104 South 4th Street	Project Number:	19034-0010	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	4/22/2022 1:31:26PM

CS - 38 E204095-02

		E204073-02				
Analyte	Result	Reporting Limit	Dilutio	n Prepared	Analyzed	Notes
Maryte				1	rmaryzeu	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	An	alyst: IY		Batch: 2217012
Benzene	ND	0.0250	1	04/20/22	04/20/22	
Ethylbenzene	ND	0.0250	1	04/20/22	04/20/22	
Toluene	ND	0.0250	1	04/20/22	04/20/22	
o-Xylene	ND	0.0250	1	04/20/22	04/20/22	
p,m-Xylene	ND	0.0500	1	04/20/22	04/20/22	
Total Xylenes	ND	0.0250	1	04/20/22	04/20/22	
Surrogate: Bromofluorobenzene		91.1 %	70-130	04/20/22	04/20/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	04/20/22	04/20/22	
Surrogate: Toluene-d8		94.9 %	70-130	04/20/22	04/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2217012
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/22	04/20/22	
Surrogate: Bromofluorobenzene		91.1 %	70-130	04/20/22	04/20/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	04/20/22	04/20/22	
Surrogate: Toluene-d8		94.9 %	70-130	04/20/22	04/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/22	04/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/22	04/21/22	
Surrogate: n-Nonane		112 %	50-200	04/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2217015
Chloride	ND	200	10	04/20/22	04/20/22	



EOG Resources	Project Name:	Lucky Wolf 31 Fed 2H	
104 South 4th Street	Project Number:	19034-0010	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	4/22/2022 1:31:26PM

CS - 39

		E204095-03					
Reporting							
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: Γ	Y		Batch: 2217012
Benzene	ND	0.0250	1	l	04/20/22	04/20/22	
Ethylbenzene	ND	0.0250	1	l	04/20/22	04/20/22	
Toluene	ND	0.0250	1	l	04/20/22	04/20/22	
o-Xylene	ND	0.0250	1	l	04/20/22	04/20/22	
p,m-Xylene	ND	0.0500	1	l	04/20/22	04/20/22	
Total Xylenes	ND	0.0250	1	[04/20/22	04/20/22	
Surrogate: Bromofluorobenzene		89.6 %	70-130		04/20/22	04/20/22	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		04/20/22	04/20/22	
Surrogate: Toluene-d8		95.7 %	70-130		04/20/22	04/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: Γ	Y		Batch: 2217012
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	04/20/22	04/20/22	
Surrogate: Bromofluorobenzene		89.6 %	70-130		04/20/22	04/20/22	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		04/20/22	04/20/22	
Surrogate: Toluene-d8		95.7 %	70-130		04/20/22	04/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	L		Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1	1	04/20/22	04/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	[04/20/22	04/21/22	
Surrogate: n-Nonane		116 %	50-200		04/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: R	RAS		Batch: 2217015

200

10

04/20/22

04/20/22

ND



EOG Resources	Project Name:	Lucky Wolf 31 Fed 2H	
104 South 4th Street	Project Number:	19034-0010	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	4/22/2022 1:31:26PM

CS - 40

E204095-04

	LEU-1075-04				
Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
			•		Batch: 2217012
		1		04/20/22	Batch. 221 / 012
		1			
		1	04/20/22	04/20/22	
		1	04/20/22	04/20/22	
ND	0.0500	1	04/20/22	04/20/22	
ND	0.0250	1	04/20/22	04/20/22	
	89.6 %	70-130	04/20/22	04/20/22	
	103 %	70-130	04/20/22	04/20/22	
	96.6 %	70-130	04/20/22	04/20/22	
mg/kg	mg/kg	A	analyst: IY		Batch: 2217012
ND	20.0	1	04/20/22	04/20/22	
	89.6 %	70-130	04/20/22	04/20/22	
	103 %	70-130	04/20/22	04/20/22	
	96.6 %	70-130	04/20/22	04/20/22	
mg/kg	mg/kg	A	analyst: JL		Batch: 2217023
ND	25.0	1	04/20/22	04/21/22	
ND	50.0	1	04/20/22	04/21/22	
	109 %	50-200	04/20/22	04/21/22	
mg/kg	mg/kg	A	analyst: RAS		Batch: 2217015
	mg/kg ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 89.6 % 103 % 96.6 % 96.6 % 103 % 96.6 % 103 % 96.6 % 103 % 96.6 % mg/kg mg/kg ND 25.0 ND 50.0	Reporting Result Limit Dilution mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 89.6 % 70-130 70-130 103 % 70-130 70-130 mg/kg mg/kg A ND 20.0 1 89.6 % 70-130 70-130 96.6 % 70-130 70-130 mg/kg mg/kg A ND 25.0 1 ND 50.0 1	Reporting Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 04/20/22 ND 0.0250 1 04/20/22 ND 0.0250 1 04/20/22 ND 0.0250 1 04/20/22 ND 0.0500 1 04/20/22 ND 0.0250 1 04/20/22 ND 0.0250 1 04/20/22 ND 0.0250 1 04/20/22 103% 70-130 04/20/22 96.6% 70-130 04/20/22 mg/kg mg/kg Analyst: IY ND 20.0 1 04/20/22 103% 70-130 04/20/22 103% 70-130 04/20/22 96.6% 70-130 04/20/22 mg/kg mg/kg Analyst: JL ND 25.0 1 04/20/22 ND 50.0 1 04/20/2	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: 1Y ND 0.0250 1 04/20/22 04/20/22 ND 0.0500 1 04/20/22 04/20/22 ND 0.0250 1 04/20/22 04/20/22 ND 0.0250 1 04/20/22 04/20/22 ND 0.0250 1 04/20/22 04/20/22 89.6 % 70-130 04/20/22 04/20/22 96.6 % 70-130 04/20/22 04/20/22 mg/kg mg/kg Analyst: IY ND 20.0 1 04/20/22 04/20/22 96.6 % 70-130 04/20/22 04/20/22 96.6 % 70-130 04/20/22 <t< td=""></t<>



EOG Resources	Project Name:	Lucky Wolf 31 Fed 2H	
104 South 4th Street	Project Number:	19034-0010	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	4/22/2022 1:31:26PM

CS - 41

		E204095-05					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	Y		Batch: 2217012
Benzene	ND	0.0250	1	Į.	04/20/22	04/21/22	
Ethylbenzene	ND	0.0250	1		04/20/22	04/21/22	
Toluene	ND	0.0250	1		04/20/22	04/21/22	
o-Xylene	ND	0.0250	1	l	04/20/22	04/21/22	
p,m-Xylene	ND	0.0500	1	l	04/20/22	04/21/22	
Total Xylenes	ND	0.0250	1		04/20/22	04/21/22	
Surrogate: Bromofluorobenzene		88.9 %	70-130		04/20/22	04/21/22	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		04/20/22	04/21/22	
Surrogate: Toluene-d8		101 %	70-130		04/20/22	04/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I	Y		Batch: 2217012
Gasoline Range Organics (C6-C10)	ND	20.0	1		04/20/22	04/21/22	
Surrogate: Bromofluorobenzene		88.9 %	70-130		04/20/22	04/21/22	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		04/20/22	04/21/22	
Surrogate: Toluene-d8		101 %	70-130		04/20/22	04/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	īL		Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1		04/20/22	04/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	04/20/22	04/21/22	
Surrogate: n-Nonane		117 %	50-200		04/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	RAS		Batch: 2217015
Chloride	457	200	10	0	04/20/22	04/20/22	



EOG Resources	Project Name:	Lucky Wolf 31 Fed 2H	
104 South 4th Street	Project Number:	19034-0010	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	4/22/2022 1:31:26PM

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		E204095-06					
Reporting							
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY			Batch: 2217012
Benzene	ND	0.0250	1		04/20/22	04/20/22	
Ethylbenzene	ND	0.0250	1		04/20/22	04/20/22	
Toluene	ND	0.0250	1		04/20/22	04/20/22	
o-Xylene	ND	0.0250	1		04/20/22	04/20/22	
p,m-Xylene	ND	0.0500	1		04/20/22	04/20/22	
Total Xylenes	ND	0.0250	1		04/20/22	04/20/22	
Surrogate: Bromofluorobenzene		89.9 %	70-130		04/20/22	04/20/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		04/20/22	04/20/22	
Surrogate: Toluene-d8		96.4 %	70-130		04/20/22	04/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2217012
Gasoline Range Organics (C6-C10)	ND	20.0	1		04/20/22	04/20/22	
Surrogate: Bromofluorobenzene		89.9 %	70-130		04/20/22	04/20/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		04/20/22	04/20/22	
Surrogate: Toluene-d8		96.4 %	70-130		04/20/22	04/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL			Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1	-	04/20/22	04/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	ı	04/20/22	04/21/22	
Surrogate: n-Nonane		116 %	50-200		04/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RA	S		Batch: 2217015
Chloride	458	200	10)	04/20/22	04/20/22	



EOG Resources	Project Name:	Lucky Wolf 31 Fed 2H	
104 South 4th Street	Project Number:	19034-0010	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	4/22/2022 1:31:26PM

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		E204095-07					
		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY	7		Batch: 2217012
Benzene	ND	0.0250	1		04/20/22	04/20/22	
Ethylbenzene	ND	0.0250	1		04/20/22	04/20/22	
Toluene	ND	0.0250	1		04/20/22	04/20/22	
o-Xylene	ND	0.0250	1		04/20/22	04/20/22	
p,m-Xylene	ND	0.0500	1		04/20/22	04/20/22	
Total Xylenes	ND	0.0250	1		04/20/22	04/20/22	
Surrogate: Bromofluorobenzene		91.1 %	70-130		04/20/22	04/20/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		04/20/22	04/20/22	
Surrogate: Toluene-d8		96.9 %	70-130		04/20/22	04/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY	7		Batch: 2217012
Gasoline Range Organics (C6-C10)	ND	20.0	1		04/20/22	04/20/22	
Surrogate: Bromofluorobenzene		91.1 %	70-130		04/20/22	04/20/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		04/20/22	04/20/22	
Surrogate: Toluene-d8		96.9 %	70-130		04/20/22	04/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL			Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1		04/20/22	04/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1		04/20/22	04/21/22	
Surrogate: n-Nonane		110 %	50-200		04/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: R.	AS		Batch: 2217015
Chloride	334	200	10	0	04/20/22	04/20/22	



EOG Resources	Project Name:	Lucky Wolf 31 Fed 2H	
104 South 4th Street	Project Number:	19034-0010	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	4/22/2022 1:31:26PM

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E204095-08

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2217012
Benzene	ND	0.0250	1	04/20/22	04/20/22	
Ethylbenzene	ND	0.0250	1	04/20/22	04/20/22	
Toluene	ND	0.0250	1	04/20/22	04/20/22	
o-Xylene	ND	0.0250	1	04/20/22	04/20/22	
p,m-Xylene	ND	0.0500	1	04/20/22	04/20/22	
Total Xylenes	ND	0.0250	1	04/20/22	04/20/22	
Surrogate: Bromofluorobenzene		89.2 %	70-130	04/20/22	04/20/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	04/20/22	04/20/22	
Surrogate: Toluene-d8		94.7 %	70-130	04/20/22	04/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: IY		Batch: 2217012
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/22	04/20/22	
Surrogate: Bromofluorobenzene		89.2 %	70-130	04/20/22	04/20/22	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	04/20/22	04/20/22	
Surrogate: Toluene-d8		94.7 %	70-130	04/20/22	04/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: JL		Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/22	04/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/22	04/21/22	
Surrogate: n-Nonane		97.3 %	50-200	04/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: RAS		Batch: 2217015



EOG Resources	Project Name:	Lucky Wolf 31 Fed 2H	
104 South 4th Street	Project Number:	19034-0010	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	4/22/2022 1:31:26PM

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E204095-09

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2217012
Benzene	ND	0.0250	1	04/20/22	04/20/22	
Ethylbenzene	ND	0.0250	1	04/20/22	04/20/22	
Toluene	ND	0.0250	1	04/20/22	04/20/22	
o-Xylene	ND	0.0250	1	04/20/22	04/20/22	
p,m-Xylene	ND	0.0500	1	04/20/22	04/20/22	
Total Xylenes	ND	0.0250	1	04/20/22	04/20/22	
Surrogate: Bromofluorobenzene		92.1 %	70-130	04/20/22	04/20/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	04/20/22	04/20/22	
Surrogate: Toluene-d8		95.1 %	70-130	04/20/22	04/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2217012
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/22	04/20/22	
Surrogate: Bromofluorobenzene		92.1 %	70-130	04/20/22	04/20/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	04/20/22	04/20/22	
Surrogate: Toluene-d8		95.1 %	70-130	04/20/22	04/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: JL		Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/22	04/21/22	_
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/22	04/21/22	
Surrogate: n-Nonane		114 %	50-200	04/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: RAS		Batch: 2217015
Amons by ETA 500.0/7050A						



EOG Resources	Project Name:	Lucky Wolf 31 Fed 2H	
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Artesia NM, 88210	Project Manager:	Greg Crabtree	4/22/2022 1:31:26PM

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		E204095-10					
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Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: I	Y		Batch: 2217012
Benzene	ND	0.0250	1		04/20/22	04/22/22	
Ethylbenzene	ND	0.0250	1		04/20/22	04/22/22	
Toluene	ND	0.0250	1		04/20/22	04/22/22	
o-Xylene	ND	0.0250	1		04/20/22	04/22/22	
p,m-Xylene	ND	0.0500	1		04/20/22	04/22/22	
Total Xylenes	ND	0.0250	1		04/20/22	04/22/22	
Surrogate: Bromofluorobenzene		90.1 %	70-130		04/20/22	04/22/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		04/20/22	04/22/22	
Surrogate: Toluene-d8		98.6 %	70-130		04/20/22	04/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: I	ď		Batch: 2217012
Gasoline Range Organics (C6-C10)	ND	20.0	1		04/20/22	04/22/22	
Surrogate: Bromofluorobenzene		90.1 %	70-130		04/20/22	04/22/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		04/20/22	04/22/22	
Surrogate: Toluene-d8		98.6 %	70-130		04/20/22	04/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JI			Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1	•	04/20/22	04/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1		04/20/22	04/21/22	
Surrogate: n-Nonane		116 %	50-200		04/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: R	AS		Batch: 2217015
Chloride	ND	200	10)	04/20/22	04/20/22	



EOG Resources	Project Name:	Lucky Wolf 31 Fed 2H	
104 South 4th Street	Project Number:	19034-0010	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	4/22/2022 1:31:26PM

		E204095-11				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2217012
Benzene	ND	0.0250	1	04/20/22	04/22/22	
Ethylbenzene	ND	0.0250	1	04/20/22	04/22/22	
Toluene	ND	0.0250	1	04/20/22	04/22/22	
o-Xylene	ND	0.0250	1	04/20/22	04/22/22	
p,m-Xylene	ND	0.0500	1	04/20/22	04/22/22	
Total Xylenes	ND	0.0250	1	04/20/22	04/22/22	
Surrogate: Bromofluorobenzene		88.7 %	70-130	04/20/22	04/22/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	04/20/22	04/22/22	
Surrogate: Toluene-d8		101 %	70-130	04/20/22	04/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2217012
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/22	04/22/22	
Surrogate: Bromofluorobenzene		88.7 %	70-130	04/20/22	04/22/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	04/20/22	04/22/22	
Surrogate: Toluene-d8		101 %	70-130	04/20/22	04/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/22	04/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/22	04/21/22	
Surrogate: n-Nonane		112 %	50-200	04/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2217015
Chloride	398	200	10	04/20/22	04/20/22	



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Artesia NM, 88210	Project Manager:	Greg Crabtree	4/22/2022 1:31:26PM

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		E204095-12					
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2217012
Benzene	ND	0.0250	1	1	04/20/22	04/22/22	
Ethylbenzene	ND	0.0250	1	1	04/20/22	04/22/22	
Toluene	ND	0.0250	1	1	04/20/22	04/22/22	
o-Xylene	ND	0.0250	1	1	04/20/22	04/22/22	
p,m-Xylene	ND	0.0500	1	1	04/20/22	04/22/22	
Total Xylenes	ND	0.0250	1	1	04/20/22	04/22/22	
Surrogate: Bromofluorobenzene		88.5 %	70-130		04/20/22	04/22/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		04/20/22	04/22/22	
Surrogate: Toluene-d8		99.9 %	70-130		04/20/22	04/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2217012
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	04/20/22	04/22/22	
Surrogate: Bromofluorobenzene		88.5 %	70-130		04/20/22	04/22/22	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		04/20/22	04/22/22	
Surrogate: Toluene-d8		99.9 %	70-130		04/20/22	04/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1	1	04/20/22	04/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	04/20/22	04/21/22	
Surrogate: n-Nonane		114 %	50-200		04/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2217015
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EOG Resources	Project Name:	Lucky Wolf 31 Fed 2H	
104 South 4th Street	Project Number:	19034-0010	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	4/22/2022 1:31:26PM

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E204095-13

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Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	•		Batch: 2217014
Benzene	ND	0.0250	1	04/20/22	04/21/22	
Ethylbenzene	ND	0.0250	1	04/20/22	04/21/22	
Toluene	ND	0.0250	1	04/20/22	04/21/22	
o-Xylene	ND	0.0250	1	04/20/22	04/21/22	
p,m-Xylene	ND	0.0500	1	04/20/22	04/21/22	
Total Xylenes	ND	0.0250	1	04/20/22	04/21/22	
Surrogate: 4-Bromochlorobenzene-PID		93.6 %	70-130	04/20/22	04/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2217014
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/22	04/21/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.7 %	70-130	04/20/22	04/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/22	04/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/22	04/21/22	
Surrogate: n-Nonane		122 %	50-200	04/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2217015
Chloride	349	200	10	04/20/22	04/20/22	



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Artesia NM, 88210	Project Manager:	Greg Crabtree	4/22/2022 1:31:26PM

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Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analys	st: IY		Batch: 2217014
ND	0.0250	1	04/20/22	04/21/22	
ND	0.0250	1	04/20/22	04/21/22	
ND	0.0250	1	04/20/22	04/21/22	
ND	0.0250	1	04/20/22	04/21/22	
ND	0.0500	1	04/20/22	04/21/22	
ND	0.0250	1	04/20/22	04/21/22	
	93.5 %	70-130	04/20/22	04/21/22	
mg/kg	mg/kg	Analys	st: IY		Batch: 2217014
ND	20.0	1	04/20/22	04/21/22	
	88.8 %	70-130	04/20/22	04/21/22	
mg/kg	mg/kg	Analys	st: JL		Batch: 2217023
ND	25.0	1	04/20/22	04/21/22	
ND	50.0	1	04/20/22	04/21/22	
	120 %	50-200	04/20/22	04/21/22	
mg/kg	mg/kg	Analys	st: RAS		Batch: 2217015
212	200	10	04/20/22	04/20/22	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0250 88.8 % mg/kg MD 25.0 ND 50.0 120 % mg/kg mg/kg mg/kg	mg/kg mg/kg Analys ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 mg/kg mg/kg Analys ND 20.0 1 88.8 % 70-130 mg/kg mg/kg Analys ND 25.0 1 ND 50.0 1 120 % 50-200 mg/kg Mg/kg Analys	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 04/20/22 ND 0.0250 1 04/20/22 ND 0.0250 1 04/20/22 ND 0.0250 1 04/20/22 ND 0.0500 1 04/20/22 ND 0.0250 1 04/20/22 mg/kg mg/kg Analyst: IY ND 20.0 1 04/20/22 mg/kg mg/kg Analyst: JL ND 25.0 1 04/20/22 ND 25.0 1 04/20/22 ND 50.0 1 04/20/22 ND 50.0 1 04/20/22 Mg/kg Mg/kg Analyst: RAS	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 04/20/22 04/21/22 ND 0.0250 1 04/20/22 04/21/22 ND 0.0250 1 04/20/22 04/21/22 ND 0.0500 1 04/20/22 04/21/22 ND 0.0250 1 04/20/22 04/21/22 ND 0.0250 1 04/20/22 04/21/22 mg/kg mg/kg Analyst: IY ND 20.0 1 04/20/22 04/21/22 mg/kg mg/kg Analyst: IV 04/20/22 04/21/22 mg/kg mg/kg Analyst: JL ND 25.0 1 04/20/22 04/21/22 ND 25.0 1 04/20/22 04/21/22 04/21/22 ND 50.0 1 04/20/22 04/21/22 ND 50.0 1 04/20/22 04/21/22



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104 South 4th Street	Project Number:	19034-0010	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	4/22/2022 1:31:26PM

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Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: IY		Batch: 2217014
Benzene	ND	0.0250	1	04/20/22	04/21/22	
Ethylbenzene	ND	0.0250	1	04/20/22	04/21/22	
Toluene	ND	0.0250	1	04/20/22	04/21/22	
o-Xylene	ND	0.0250	1	04/20/22	04/21/22	
p,m-Xylene	ND	0.0500	1	04/20/22	04/21/22	
Total Xylenes	ND	0.0250	1	04/20/22	04/21/22	
Surrogate: 4-Bromochlorobenzene-PID		92.8 %	70-130	04/20/22	04/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: IY		Batch: 2217014
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/22	04/21/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.7 %	70-130	04/20/22	04/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/22	04/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/22	04/21/22	
Surrogate: n-Nonane		112 %	50-200	04/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: RAS		Batch: 2217015
Chloride	ND	200	10	04/20/22	04/20/22	



Sample Data

EOG Resources	Project Name:	Lucky Wolf 31 Fed 2H	
104 South 4th Street	Project Number:	19034-0010	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	4/22/2022 1:31:26PM

E204095-16						
Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: IY		Batch: 2217014
Benzene	ND	0.0250	1	04/20/22	04/21/22	
Ethylbenzene	ND	0.0250	1	04/20/22	04/21/22	
Toluene	ND	0.0250	1	04/20/22	04/21/22	
o-Xylene	ND	0.0250	1	04/20/22	04/21/22	
p,m-Xylene	ND	0.0500	1	04/20/22	04/21/22	
Total Xylenes	ND	0.0250	1	04/20/22	04/21/22	
Surrogate: 4-Bromochlorobenzene-PID		93.3 %	70-130	04/20/22	04/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2217014
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/22	04/21/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.4 %	70-130	04/20/22	04/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/22	04/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/22	04/21/22	
Surrogate: n-Nonane		113 %	50-200	04/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2217015
Chloride	232	200	10	04/20/22	04/20/22	



EOG Resources	Project Name:	Lucky Wolf 31 Fed 2H	
104 South 4th Street	Project Number:	19034-0010	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	4/22/2022 1:31:26PM

CS - 53 E204095-17

		E204093-17				
		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: IY		Batch: 2217012
Benzene	ND	0.0250	1	04/20/22	04/21/22	
Ethylbenzene	ND	0.0250	1	04/20/22	04/21/22	
Toluene	ND	0.0250	1	04/20/22	04/21/22	
o-Xylene	ND	0.0250	1	04/20/22	04/21/22	
p,m-Xylene	ND	0.0500	1	04/20/22	04/21/22	
Total Xylenes	ND	0.0250	1	04/20/22	04/21/22	
Surrogate: Bromofluorobenzene		88.0 %	70-130	04/20/22	04/21/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	04/20/22	04/21/22	
Surrogate: Toluene-d8		96.9 %	70-130	04/20/22	04/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: IY		Batch: 2217012
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/22	04/21/22	
Surrogate: Bromofluorobenzene		88.0 %	70-130	04/20/22	04/21/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	04/20/22	04/21/22	
Surrogate: Toluene-d8		96.9 %	70-130	04/20/22	04/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: JL		Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/22	04/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/22	04/21/22	
Surrogate: n-Nonane		112 %	50-200	04/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: RAS		Batch: 2217015
Chloride	497	200	10	04/20/22	04/20/22	



Diesel Range Organics (C10-C28)

Oil Range Organics (C28-C36)

Anions by EPA 300.0/9056A

Surrogate: n-Nonane

Chloride

Sample Data

EOG Resources	Project Name:	Lucky Wolf 31 Fed 2H	
104 South 4th Street	Project Number:	19034-0010	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	4/22/2022 1:31:26PM

CS - 54 E204095-18

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2217031
Benzene	ND	0.0250	1	04/20/22	04/21/22	
Ethylbenzene	ND	0.0250	1	04/20/22	04/21/22	
Toluene	ND	0.0250	1	04/20/22	04/21/22	
o-Xylene	ND	0.0250	1	04/20/22	04/21/22	
p,m-Xylene	ND	0.0500	1	04/20/22	04/21/22	
Total Xylenes	ND	0.0250	1	04/20/22	04/21/22	
Surrogate: 4-Bromochlorobenzene-PID		94.1 %	70-130	04/20/22	04/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2217031
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/22	04/21/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.7 %	70-130	04/20/22	04/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2217023

25.0

50.0

200

99.7 %

1

1

10

Analyst: RAS

50-200

04/20/22 04/20/22

04/20/22

04/20/22

ND

ND

mg/kg

549



04/21/22

04/21/22

04/21/22

04/20/22

Batch: 2217015

EOG Resources	Project Name:	Lucky Wolf 31 Fed 2H	
104 South 4th Street	Project Number:	19034-0010	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	4/22/2022 1:31:26PM

		E204095-19				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2217031
Benzene	ND	0.0250	1	04/20/22	04/21/22	
Ethylbenzene	ND	0.0250	1	04/20/22	04/21/22	
Toluene	ND	0.0250	1	04/20/22	04/21/22	
o-Xylene	ND	0.0250	1	04/20/22	04/21/22	
p,m-Xylene	ND	0.0500	1	04/20/22	04/21/22	
Total Xylenes	ND	0.0250	1	04/20/22	04/21/22	
Surrogate: 4-Bromochlorobenzene-PID		94.0 %	70-130	04/20/22	04/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2217031
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/22	04/21/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.2 %	70-130	04/20/22	04/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/22	04/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/20/22	04/21/22	
Surrogate: n-Nonane		113 %	50-200	04/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2217015
Chloride	526	200	10	04/20/22	04/20/22	



EOG Resources	Project Name:	Lucky Wolf 31 Fed 2H	
104 South 4th Street	Project Number:	19034-0010	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	4/22/2022 1:31:26PM

CS - 56

E204095-20

		220.076.20				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys		7 mary zea	Batch: 2217031
Benzene	ND	0.0250	1	04/20/22	04/21/22	
Ethylbenzene	ND	0.0250	1	04/20/22	04/21/22	
Toluene	ND	0.0250	1	04/20/22	04/21/22	
o-Xylene	ND	0.0250	1	04/20/22	04/21/22	
p,m-Xylene	ND	0.0500	1	04/20/22	04/21/22	
Total Xylenes	ND	0.0250	1	04/20/22	04/21/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	04/20/22	04/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: IY		Batch: 2217031
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/22	04/21/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.7 %	70-130	04/20/22	04/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2217023
Diesel Range Organics (C10-C28)	188	25.0	1	04/20/22	04/21/22	
Oil Range Organics (C28-C36)	76.9	50.0	1	04/20/22	04/21/22	
Surrogate: n-Nonane		113 %	50-200	04/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2217015
Chloride	278	200	10	04/20/22	04/20/22	



QC Summary Data

EOG ResourcesProject Name:Lucky Wolf 31 Fed 2HReported:104 South 4th StreetProject Number:19034-0010Artesia NM, 88210Project Manager:Greg Crabtree4/22/2022 1:31:26PM

Result	Artesia NM, 88210		Project Manage	r: G1	eg Crabtree				4/2	22/2022 1:31:26PM
Result		Vo	olatile Organ	ic Compo	unds by EI	PA 82601	В			Analyst: IY
Prepared: 04/20/22 Analyzed: 04/22/22 Analyze	Analyte	Result		-		Rec		RPD		
Servene		mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Ethylbenzene ND 0.0250 ND 0.	Blank (2217012-BLK1)							Prepared: 04	4/20/22 Anal	yzed: 04/22/22
Toluene	Benzene	ND	0.0250							
ND 0.0250 ND 0.0500	Ethylbenzene	ND	0.0250							
ND 0.0550 ND 0.0250	Toluene									
ND	o-Xylene									
Namogate: Bromofluorobenzene 0.434 0.500 86.8 70-130 7	p,m-Xylene									
Control Cont	Total Xylenes	ND	0.0250							
Case	Surrogate: Bromofluorobenzene	0.434		0.500		86.8	70-130			
Prepared: 04/20/22 Analyzed: 04/21/22	Surrogate: 1,2-Dichloroethane-d4	0.523		0.500		105	70-130			
Servation 2.64 0.0250 2.50 106 70-130 70-13	Surrogate: Toluene-d8	0.506		0.500		101	70-130			
Column C	LCS (2217012-BS1)							Prepared: 04	4/20/22 Anal	yzed: 04/21/22
Toluene 2.56 0.0250 2.50 102 70-130	Benzene	2.64	0.0250	2.50		106	70-130			
2.43 0.0250 2.50 97.4 70-130 pp.m-Xylene 4.95 0.0500 5.00 99.0 70-130 pp.m-Xylene 4.95 0.0500 5.00 99.0 70-130 pp.m-Xylene 7.39 0.0250 7.50 98.5 70-130 pp.m-Xylene 8.0476 0.500 95.2 70-130 pp.m-Xylene 8.0476 0.500 101 70-130 pp.m-Xylene 10.476 0.500 102 70-130 pp.m-Xylene 10.476 0.500 105 70-130 0.607 23 pp.m-Xylene 10.476 0.0250 2.50 104 70-130 1.87 27 pp.m-Xylene 10.476 0.0250 2.50 103 70-130 0.954 24 pp.m-Xylene 10.476 0.0500 101 70-130 1.96 27 pp.m-Xylene 10.475 0.0500 101 70-130 1.96 27 pp.m-Xylene 10.475 0.0250 7.50 10250 7.50	Ethylbenzene	2.55	0.0250	2.50		102	70-130			
A.95 0.0500 5.00 99.0 70-130 Total Xylenes 7.39 0.0250 7.50 98.5 70-130 Surrogate: Bromofluorobenzene 0.476 0.500 99.2 70-130 Surrogate: I.2-Dichloroethane-d4 0.503 0.500 101 70-130 Surrogate: Toluene-d8 0.510 0.500 102 70-130 Surrogate: Toluene-d8 0.510 0.500 102 70-130 Surrogate: Toluene-d8 0.510 0.500 105 70-130 Surrogate: Toluene-d8 0.500 0.0250 0.500 105 70-130 0.607 23 Surrogate: Toluene 2.63 0.0250 2.50 104 70-130 1.87 27 Toluene 2.58 0.0250 2.50 103 70-130 0.954 24 Day Sylene 2.51 0.0250 2.50 100 70-130 2.97 27 Day Sylene 2.51 0.0250 2.50 101 70-130 1.96 27 Total Xylene 7.56 0.0250 7.50 101 70-130 2.30 27 Surrogate: Bromofluorobenzene 0.475 0.500 94.9 70-130 Total Xylene 0.475 0.500 94.9	Toluene	2.56	0.0250	2.50		102	70-130			
Total Xylenes 7.39	o-Xylene	2.43	0.0250	2.50		97.4	70-130			
Surrogate: Bromofluorobenzene 0.476 0.500 95.2 70-130 Surrogate: I,2-Dichloroethane-d4 0.503 0.500 101 70-130 Surrogate: Tolluene-d8 0.510 0.500 102 70-130 Surrogate: Tolluene-d8 0.510 0.500 102 70-130 Surrogate: Tolluene-d8 0.510 0.500 102 70-130 Surrogate: Tolluene-d8 0.510 0.500 105 70-130 0.607 23 Surrogate: Surro	p,m-Xylene		0.0500	5.00		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4 0.503 0.500 101 70-130 Surrogate: 1,2-Dichloroethane-d8 0.510 0.500 102 70-130 Surrogate: Tolluene-d8 0.510 0.500 102 70-130 Surrogate: Tolluene-d8 0.510 0.500 102 70-130 Surrogate: Tolluene-d8 0.510 0.510 0.500 102 70-130 Surrogate: 04/20/22 Analyzed: 04/21/22 Surrogate: 04/20/22 Analyzed: 04/20/22	Total Xylenes	7.39	0.0250	7.50		98.5	70-130			
Comparison of the Comparison	Surrogate: Bromofluorobenzene	0.476		0.500		95.2	70-130			
Carrogate: Toluene-d8	Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Benzene 2.63 0.0250 2.50 105 70-130 0.607 23 Ethylbenzene 2.60 0.0250 2.50 104 70-130 1.87 27 Toluene 2.58 0.0250 2.50 103 70-130 0.954 24 5-Xylene 2.51 0.0250 2.50 100 70-130 2.97 27 5.m-Xylene 5.05 0.0500 5.00 101 70-130 1.96 27 Total Xylenes 7.56 0.0250 7.50 101 70-130 2.30 27 Surrogate: Bromofluorobenzene 0.475 0.500 94.9 70-130	Surrogate: Toluene-d8	0.510		0.500		102	70-130			
Ethylbenzene 2.60 0.0250 2.50 104 70-130 1.87 27 Toluene 2.58 0.0250 2.50 103 70-130 0.954 24 5-Xylene 2.51 0.0250 2.50 100 70-130 2.97 27 5.05 0.0500 5.00 101 70-130 1.96 27 Total Xylenes 7.56 0.0250 7.50 101 70-130 2.30 27 Surrogate: Bromofluorobenzene 0.475 0.500 94.9 70-130 70-130	LCS Dup (2217012-BSD1)							Prepared: 04	4/20/22 Anal	yzed: 04/21/22
Ethylbenzene 2.60 0.0250 2.50 104 70-130 1.87 27 Toluene 2.58 0.0250 2.50 103 70-130 0.954 24 5-Xylene 2.51 0.0250 2.50 100 70-130 2.97 27 5.05 0.0500 5.00 101 70-130 1.96 27 Total Xylenes 7.56 0.0250 7.50 101 70-130 2.30 27 Surrogate: Bromofluorobenzene 0.475 0.500 94.9 70-130 70-130 70-130	Benzene	2.63	0.0250	2.50		105	70-130	0.607	23	
Toluene 2.58 0.0250 2.50 103 70-130 0.954 24 5-Xylene 2.51 0.0250 2.50 100 70-130 2.97 27 5.05 0.0500 5.00 101 70-130 1.96 27 Total Xylenes 7.56 0.0250 7.50 101 70-130 2.30 27 Surrogate: Bromofluorobenzene 0.475 0.500 94.9 70-130 70-130	Ethylbenzene	2.60		2.50		104	70-130	1.87	27	
o.m-Xylene 5.05 0.0500 5.00 101 70-130 1.96 27 Total Xylenes 7.56 0.0250 7.50 101 70-130 2.30 27 Surrogate: Bromofluorobenzene 0.475 0.500 94.9 70-130	Toluene	2.58	0.0250	2.50		103	70-130	0.954	24	
Total Xylenes 7.56 0.0250 7.50 101 70-130 2.30 27 Surrogate: Bromofluorobenzene 0.475 0.500 94.9 70-130 <td< td=""><td>o-Xylene</td><td>2.51</td><td>0.0250</td><td>2.50</td><td></td><td>100</td><td>70-130</td><td>2.97</td><td>27</td><td></td></td<>	o-Xylene	2.51	0.0250	2.50		100	70-130	2.97	27	
Surrogate: Bromofluorobenzene 0.475 0.500 94.9 70-130	p,m-Xylene	5.05	0.0500	5.00		101	70-130	1.96	27	
0.000	Total Xylenes	7.56	0.0250	7.50		101	70-130	2.30	27	
Surrogate: 1,2-Dichloroethane-d4 0.511 0.500 102 70-130	Surrogate: Bromofluorobenzene	0.475		0.500		94.9	70-130			
	Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			

0.500

102

70-130



Surrogate: Toluene-d8

0.508

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

EOG Resources Project Name: Lucky Wolf 31 Fed 2H Reported:
104 South 4th Street Project Number: 19034-0010
Artesia NM, 88210 Project Manager: Greg Crabtree 4/22/2022 1:31:26PM

104 South 4th Street Artesia NM, 88210		Project Number: Project Manager:		034-0010 eg Crabtree				4/2	2/2022 1:31:26PM
		Volatile O	rganics b	y EPA 802	1B				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2217014-BLK1)						I	Prepared: 04	1/20/22 Anal	yzed: 04/20/22
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	8.41		8.00		105	70-130			
LCS (2217014-BS1)						I	Prepared: 04	4/20/22 Anal	yzed: 04/20/22
Benzene	4.59	0.0250	5.00		91.8	70-130			
Ethylbenzene	4.43	0.0250	5.00		88.6	70-130			
Toluene	4.61	0.0250	5.00		92.2	70-130			
o-Xylene	4.63	0.0250	5.00		92.5	70-130			
p,m-Xylene	9.15	0.0500	10.0		91.5	70-130			
Total Xylenes	13.8	0.0250	15.0		91.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.20		8.00		103	70-130			
LCS Dup (2217014-BSD1)						I	Prepared: 04	1/20/22 Anal	yzed: 04/20/22
Benzene	4.49	0.0250	5.00		89.8	70-130	2.21	20	
Ethylbenzene	4.34	0.0250	5.00		86.7	70-130	2.20	20	
Toluene	4.51	0.0250	5.00		90.2	70-130	2.18	20	
o-Xylene	4.54	0.0250	5.00		90.7	70-130	1.98	20	
p,m-Xylene	8.96	0.0500	10.0		89.6	70-130	2.14	20	

15.0

70-130

70-130

2.08

20

0.0250

7.86



QC Summary Data

Lucky Wolf 31 Fed 2H **EOG Resources** Project Name: Reported: 104 South 4th Street Project Number: 19034-0010 Artesia NM, 88210 Project Manager: Greg Crabtree 4/22/2022 1:31:26PM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2217031-BLK1) Prepared: 04/21/22 Analyzed: 04/21/22 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.64 8.00 95.5 70-130 LCS (2217031-BS1) Prepared: 04/21/22 Analyzed: 04/21/22 4.80 96.0 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.84 0.0250 5.00 96.8 70-130 4.98 0.0250 5.00 99.6 70-130 Toluene 101 o-Xylene 5.07 0.0250 5.00 70-130 9.98 10.0 99.8 70-130 0.0500 p.m-Xvlene 100 70-130 15.1 15.0 Total Xylenes 0.0250 8.00 97.5 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.80 Matrix Spike (2217031-MS1) Source: E204111-01 Prepared: 04/21/22 Analyzed: 04/21/22 4.81 0.0250 5.00 ND 96.3 54-133 Benzene ND 98.2 61-133 Ethylbenzene 4.91 0.0250 5.00 Toluene 5.03 0.0250 5.00 ND 101 61-130 ND 103 63-131 5.14 5.00 0.0250 o-Xylene p,m-Xylene 10.1 0.0500 10.0 ND 101 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.02 8.00 Matrix Spike Dup (2217031-MSD1) Source: E204111-01 Prepared: 04/21/22 Analyzed: 04/21/22 4.80 0.0250 5.00 ND 96.0 54-133 0.344 20 ND 97.2 61-133 0.979 4.86 0.0250 5.00 20 Ethylbenzene ND 61-130 0.707 20



5.00

5.09

10.0

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101

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63-131

63-131

63-131

70-130

0.990

0.961

0.971

20

20

20

ND

ND

ND

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

QC Summary Data

EOG ResourcesProject Name:Lucky Wolf 31 Fed 2HReported:104 South 4th StreetProject Number:19034-0010Artesia NM, 88210Project Manager:Greg Crabtree4/22/20221:31:26PM

Nonhalogenated	Organics b	v EPA	8015D -	GRO

Anal	zet.	Г

Analyte Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2217012-BLK1)						Prepared: 04	1/20/22 Analyz	ed: 04/22/22
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: Bromofluorobenzene	0.434		0.500	86.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.523		0.500	105	70-130			
Surrogate: Toluene-d8	0.506		0.500	101	70-130			
LCS (2217012-BS2)						Prepared: 04	1/20/22 Analyz	ed: 04/21/22
Gasoline Range Organics (C6-C10)	53.5	20.0	50.0	107	70-130			
Surrogate: Bromofluorobenzene	0.458		0.500	91.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500	100	70-130			
Surrogate: Toluene-d8	0.508		0.500	102	70-130			
LCS Dup (2217012-BSD2)						Prepared: 04	1/20/22 Analyz	ed: 04/21/22
Gasoline Range Organics (C6-C10)	54.6	20.0	50.0	109	70-130	1.90	20	
Surrogate: Bromofluorobenzene	0.462		0.500	92.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500	96.9	70-130			
Surrogate: Toluene-d8	0.505		0.500	101	70-130			



EOG ResourcesProject Name:Lucky Wolf 31 Fed 2HReported:104 South 4th StreetProject Number:19034-0010Artesia NM, 88210Project Manager:Greg Crabtree4/22/20221:31:26PM

Nonhalogenated	Organics	by EPA	. 8015D -	GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes

Blank (2217014-BLK1)						Prepared: 0	4/20/22	2 Analyzed: 04/20/22
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.12		8.00	89.0	70-130			
LCS (2217014-BS2)						Prepared: 0	4/20/22	2 Analyzed: 04/20/22
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0	96.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		8.00	90.7	70-130			
LCS Dup (2217014-BSD2)						Prepared: 0	4/20/22	2 Analyzed: 04/20/22
Gasoline Range Organics (C6-C10)	50.0	20.0	50.0	99.9	70-130	3.92	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00	89.9	70-130			



EOG Resources	Project Name:	Lucky Wolf 31 Fed 2H	Reported:
104 South 4th Street	Project Number:	19034-0010	·
Artesia NM, 88210	Project Manager:	Greg Crabtree	4/22/2022 1:31:26PM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree				4/2	2/2022 1:31:26PM		
	Non	halogenated	Organics l	by EPA 80	15D - GI	RO		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		
Blank (2217031-BLK1)							Prepared: 0	4/21/22 Anal	yzed: 04/21/22		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.15		8.00		89.4	70-130					
LCS (2217031-BS2)							Prepared: 0	4/21/22 Anal	yzed: 04/21/22		
Gasoline Range Organics (C6-C10)	51.4	20.0	50.0		103	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.29		8.00		91.1	70-130					
Matrix Spike (2217031-MS2)				Source:	E204111-0)1	Prepared: 0	4/21/22 Anal	yzed: 04/21/22		
Gasoline Range Organics (C6-C10)	55.7	20.0	50.0	ND	111	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.6	70-130					
Matrix Spike Dup (2217031-MSD2)				Source:	E204111-0)1	Prepared: 0	4/21/22 Anal	yzed: 04/21/22		
Gasoline Range Organics (C6-C10)	52.5	20.0	50.0	ND	105	70-130	5.97	20			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.16		8.00		89.5	70-130					



EOG Resources	Project Name: Lucky Wolf 31	Fed 2H Reported:
104 South 4th Street	Project Number: 19034-0010	
Artesia NM, 88210	Project Manager: Greg Crabtree	4/22/2022 1:31:26PM

Artesia NM, 88210		Project Manage	r: Gr	reg Crabtree				•	4/22/2022 1:31:26PM
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2217023-BLK1)							Prepared: 0	4/20/22 Ar	nalyzed: 04/20/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.4		50.0		109	50-200			
LCS (2217023-BS1)							Prepared: 0	4/20/22 Ar	nalyzed: 04/20/22
Diesel Range Organics (C10-C28)	581	25.0	500		116	38-132			
Surrogate: n-Nonane	62.5		50.0		125	50-200			
Matrix Spike (2217023-MS1)				Source:	E204095-	12	Prepared: 0	4/20/22 Ar	nalyzed: 04/20/22
Diesel Range Organics (C10-C28)	586	25.0	500	ND	117	38-132			
Surrogate: n-Nonane	63.5		50.0		127	50-200			
Matrix Spike Dup (2217023-MSD1)				Source:	E204095-	12	Prepared: 0	4/20/22 Ar	nalyzed: 04/20/22
Diesel Range Organics (C10-C28)	510	25.0	500	ND	102	38-132	14.0	20	
Surrogate: n-Nonane	59.4		50.0		119	50-200			



Chloride

QC Summary Data

EOG Resources 104 South 4th Street		Project Name: Project Number:	Project Name: Lucky Project Number: 19034					Reported:				
Artesia NM, 88210		Project Manager	: G	reg Crabtree					4/22/2022 1:31:26PM			
		Anions	by EPA	300.0/9056 <i>A</i>	A				Analyst: RAS			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2217015-BLK1)							Prepared: 0	4/20/22 A	nalyzed: 04/20/22			
Chloride	ND	20.0										
LCS (2217015-BS1)							Prepared: 0	4/20/22 A	nalyzed: 04/20/22			
Chloride	245	20.0	250		98.1	90-110						
Matrix Spike (2217015-MS1)				Source:	E204095-	01	Prepared: 0	4/20/22 A	nalyzed: 04/20/22			
Chloride	381	200	250	ND	152	80-120			M6			
Matrix Spike Dup (2217015-MSD1)				Source:	E204095-	01	Prepared: 0	4/20/22 A	nalyzed: 04/20/22			

250

200

154

80-120

0.865

20

M6

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

ſ	EOG Resources	Project Name:	Lucky Wolf 31 Fed 2H	
l	104 South 4th Street	Project Number:	19034-0010	Reported:
l	Artesia NM, 88210	Project Manager:	Greg Crabtree	04/22/22 13:31

M6 Matrix spike recovery has a high bias. The native sample results were below the RL, but appears to have contributed to high MS

recoveries

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.



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Printed: 4/21/2022 2:37:08PM

Envirotech Analytical Laboratory

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.

Phone: (575) 748-4217 Date Logged In: 04/19/22 15:15 Logged In By: Caitlin Christian	
Email: Due Date: 04/21/22 17:00 (1 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 Carrier: Courier	
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 disucssion. Comments/Resolution	
Sample Turn Around Time (TAT)	
6. Did the COC indicate standard TAT, or Expedited TAT? Yes Project has been seperated into 2 report from the control of the	orts
Sample Cooler due to amount of samples. Workorde	s are
7. Was a sample cooler received? Yes as follows:	
8. If yes, was cooler received in good condition? Yes E204095 COC page 1&2 of 5, E2040	06
9 Was the sample(s) received intact i.e. not broken?	90
10. Were custody/security seals present? COC pages 3,4 & 5 of 5.	
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 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?	
16. Is the head space less than 6-8 mm (pea sized or less)?	
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? Yes	
Sample Preservation	
21. Does the COC or field labels indicate the samples were preserved?	
22. Are sample(s) correctly preserved? NA	
24. Is lab filteration 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?	
Subcontract Laboratory	
28. Are samples required to get sent to a subcontract laboratory?	
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na	
Client Instruction	
	1

Report to:
Greg Crabtree







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

Project Name: Lucky Wolf 31 Federal #2H

Work Order: E205149

Job Number: 19034-0005

Received: 5/27/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/3/22

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: 6/3/22

Greg Crabtree 104 South 4th Street Artesia, NM 88210

Project Name: Lucky Wolf 31 Federal #2H

Workorder: E205149

Date Received: 5/27/2022 12:57:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/27/2022 12:57:00PM, under the Project Name: Lucky Wolf 31 Federal #2H.

The analytical test results summarized in this report with the Project Name: Lucky Wolf 31 Federal #2H 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 reguarding 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

ljarboe@envirotech-inc.com

Technical Representative

Rayny Hagan

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

_		_				
I	EOG Resources	Project Name:	Lucky Wolf 31 Federal #2H	Reported:		
ı	104 South 4th Street	Street Project Number: 19034-0005				
l	Artesia NM, 88210	Project Manager:	Greg Crabtree	06/03/22 15:43		

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
CS-79	E205149-01A Soil	05/26/22	05/27/22	Glass Jar, 4 oz.
	E205149-01B Soil	05/26/22	05/27/22	Glass Jar, 4 oz.



Sample Data

EOG Resources	Project Name:	Lucky Wolf 31 Federal #2H	
104 South 4th Street	Project Number:	19034-0005	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	6/3/2022 3:43:40PM

CS-79

E205149-01

		1203147 01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2223031
Benzene	ND	0.0313	1	06/02/22	06/02/22	
Ethylbenzene	ND	0.0313	1	06/02/22	06/02/22	
Toluene	ND	0.0313	1	06/02/22	06/02/22	
o-Xylene	ND	0.0313	1	06/02/22	06/02/22	
p,m-Xylene	ND	0.0625	1	06/02/22	06/02/22	
Total Xylenes	ND	0.0313	1	06/02/22	06/02/22	
Surrogate: 4-Bromochlorobenzene-PID		84.0 %	70-130	06/02/22	06/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2223031
Gasoline Range Organics (C6-C10)	ND	25.0	1	06/02/22	06/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	06/02/22	06/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2223044
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/22	06/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/02/22	06/03/22	
Surrogate: n-Nonane		106 %	50-200	06/02/22	06/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: KL		Batch: 2223035
Chloride	591	40.0	2	06/02/22	06/03/22	

Lucky Wolf 31 Federal #2H **EOG Resources** Project Name: Reported: 104 South 4th Street Project Number: 19034-0005 Artesia NM, 88210 Project Manager: Greg Crabtree 6/3/2022 3:43:40PM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2223031-BLK1) Prepared: 06/02/22 Analyzed: 06/03/22 ND 0.0313 ND Ethylbenzene 0.0313 Toluene ND 0.0313 ND o-Xylene 0.0313 ND p,m-Xylene 0.0625 Total Xylenes ND 0.0313 Surrogate: 4-Bromochlorobenzene-PID 9.41 10.0 94.1 70-130 LCS (2223031-BS1) Prepared: 06/02/22 Analyzed: 06/03/22 6.24 6.25 99.8 70-130 Benzene 0.0313 Ethylbenzene 6.59 0.0313 6.25 105 70-130 6.89 0.0313 6.25 110 70-130 Toluene 6.25 105 o-Xylene 6.54 0.0313 70-130 13.4 12.5 107 70-130 0.0625 p.m-Xvlene 106 70-130 19.9 18.8 Total Xylenes 0.0313 10.0 94.4 70-130 Surrogate: 4-Bromochlorobenzene-PID 9.44 Matrix Spike (2223031-MS1) Source: E205149-01 Prepared: 06/02/22 Analyzed: 06/03/22 6.55 0.0313 6.25 ND 54-133 Benzene ND 110 61-133 Ethylbenzene 6.86 0.0313 6.25 Toluene 7.19 0.0313 6.25 ND 115 61-130 6.25 ND 109 63-131 6.81 0.0313 o-Xylene p,m-Xylene 14.0 0.0625 12.5 ND 112 63-131 0.0313 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 9.09 10.0 Matrix Spike Dup (2223031-MSD1) Source: E205149-01 Prepared: 06/02/22 Analyzed: 06/03/22 6.77 0.0313 6.25 ND 54-133 3.39 20 6.25 61-133 3.78 7.12 0.0313 ND 114 20 Ethylbenzene 6.25 61-130 Toluene 7 46 0.0313 ND 119 3 59 20

6.25

12.5

18.8

10.0

0.0313

0.0625

0.0313

ND

ND

ND

113

116

115

91.3

63-131

63-131

63-131

70-130

3.38

3.45

3.43

20

20

20



o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

7.04

14.5

21.5

9.13

EOG Resources	Project Name:	Lucky Wolf 31 Federal #2H	Reported:
104 South 4th Street	Project Number:	19034-0005	
Artesia NM, 88210	Project Manager:	Greg Crabtree	6/3/2022 3:43:40PM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree					6/3/2022 3:43:40PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			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
Blank (2223031-BLK1)							Prepared: 0	6/02/22 An	alyzed: 06/03/22
Gasoline Range Organics (C6-C10)	ND	25.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.96		10.0		89.6	70-130			
LCS (2223031-BS2)							Prepared: 0	6/02/22 An	alyzed: 06/03/22
Gasoline Range Organics (C6-C10)	62.2	25.0	62.5		99.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.56		10.0		95.6	70-130			
Matrix Spike (2223031-MS2)				Source:	E205149-	01	Prepared: 0	6/02/22 An	alyzed: 06/03/22
Gasoline Range Organics (C6-C10)	60.3	25.0	62.5	ND	96.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.93		10.0		89.3	70-130			
Matrix Spike Dup (2223031-MSD2)				Source:	E205149-	01	Prepared: 0	6/02/22 An	alyzed: 06/03/22
Gasoline Range Organics (C6-C10)	59.7	25.0	62.5	ND	95.6	70-130	0.890	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.94		10.0		89.4	70-130			

EOG ResourcesProject Name:Lucky Wolf 31 Federal #2HReported:104 South 4th StreetProject Number:19034-0005Artesia NM, 88210Project Manager:Greg Crabtree6/3/20223:43:40PM

Artesia NM, 88210		Project Manage	r: Gr	eg Crabtree					6/3/2022 3:43:40PM
	Nonhal	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2223044-BLK1)							Prepared: 0	6/02/22 A	nalyzed: 06/03/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.7		50.0		103	50-200			
LCS (2223044-BS1)							Prepared: 0	6/02/22 A	nalyzed: 06/03/22
Diesel Range Organics (C10-C28)	503	25.0	500		101	38-132			
Surrogate: n-Nonane	44.9		50.0		89.7	50-200			
Matrix Spike (2223044-MS1)				Source:	E205148-	05	Prepared: 0	6/02/22 A	nalyzed: 06/03/22
Diesel Range Organics (C10-C28)	528	25.0	500	ND	106	38-132			
Surrogate: n-Nonane	51.7		50.0		103	50-200			
Matrix Spike Dup (2223044-MSD1)				Source:	E205148-0	05	Prepared: 0	6/02/22 A	nalyzed: 06/03/22
Diesel Range Organics (C10-C28)	518	25.0	500	ND	104	38-132	1.90	20	
Surrogate: n-Nonane	52.0		50.0		104	50-200			



EOG Resources 104 South 4th Street		Project Name: Project Number:		Lucky Wolf 31 1	Federal #2	Н			Reported:
Artesia NM, 88210		Project Manager:		Greg Crabtree					6/3/2022 3:43:40PM
		Anions	by EPA	300.0/9056	A				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2223035-BLK1)							Prepared: 0	6/02/22 A	analyzed: 06/03/22
Chloride	ND	20.0							
LCS (2223035-BS1)							Prepared: 0	6/02/22 A	analyzed: 06/03/22
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2223035-MS1)				Source:	E205149-	01	Prepared: 0	6/02/22 A	nalyzed: 06/03/22
Chloride	881	40.0	250	591	116	80-120			
Matrix Spike Dup (2223035-MSD1)				Source:	E205149-	01	Prepared: 0	6/02/22 A	nalyzed: 06/03/22
Chloride	896	40.0	250	591	122	80-120	1.71	20	M2

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	Project Name:	Lucky Wolf 31 Federal #2H	
104 South 4th Street	Project Number:	19034-0005	Reported:
Artesia NM, 88210	Project Manager:	Greg Crabtree	06/03/22 15:43

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

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.



Page _	of	ece
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Project Informatio	n				Chain	of Custody														Page	of _
Client: 606					Bill To	Sill To			. 1:	ab Us	se Or	ilv			TAT					FPA P	rogram
Project: Cuck	wolf	HSI Fee	wal 2 p	f A	ttention:		Lab	WO	ı	i spirit	doL	Num	ber		1D	2D	3D		andard	CWA	SDW
Project Manager:	Greg Cr			I A	ddress:		Εć	205	514	9	190	774	000	5					×		
Address:				1 1	ity, State, Zip						Analy	/sis ar	nd M	ethod							RCR
City, State, Zip				1 1	hone:		 	+	_	┢	┢	-	<u> </u>			-	<u> </u>	⊢		<u> </u>	۲
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Email: I. Garcia B. Report due by:	Hall G. Crai	otree I. Kr	iignt				À	à	021	စ္က	兒	000	tiles						NM CO	UI AZ	IX
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Sampled Date Samp	ed Matrix	No. of Containers	Sample 10) —————		Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Semi-Volitiles	RCI	PCB's					Remarks	
15:08 572614	22 5	2	CS	-79		1	×	×	×			Х									
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Additional Instru	tions:																				
I, (field sampler), attest that date or time of collection	•				hat tampering with or intentionally mislabel Sampled by: Isaac Garcia	ling the sample lo	cation),					_	-					n ice the day ti ubsequent day		ed or receiv
Relinquished by: (Sign		Date		Time	Received by: (Signature)	Date		Time		_		Sara de C	475.		ها	b Us	e On	ly		154	
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envirotech Inc.

Printed: 5/27/2022 1:14:25PM

Envirotech Analytical Laboratory

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	Date Received:	05/27/22 12:	57		Work Order ID:	E205149
Phone:	(575) 748-4217	Date Logged In:	05/27/22 13:	10		Logged In By:	Caitlin Christian
Email:		Due Date:	06/06/22 17:	:00 (5 day TAT)			
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location mat	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: <u>Is</u>	saac Garcia		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted ir i.e, 15 minute hold time, are not included in this disucssion		Yes	_		<u>Comments</u>	s/Resolution
Sample T	<u>urn Around Time (TAT)</u>						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C			37				
	sample cooler received?		Yes				
•	was cooler received in good condition?		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C		. r	-				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers.	7	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	• • • • • • • • • • • • • • • • • • • •	iers conceteu.	103				
	field sample labels filled out with the minimum info	rmation:					
	ample ID?	mation.	Yes				
	ate/Time Collected?		Yes	l			
C	ollectors name?		Yes				
Sample P	reservation_						
21. Does	the COC or field labels indicate the samples were pr	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
-	architecture in the second subcontract laborator imples required to get sent to a subcontract laborator	ru?	No				
	subcontract laboratory specified by the client and if	•		ubcontract Lab	· no		
		so who:	IIA 5	uocontract Lao	. IIa		
Client In	<u>struction</u>						

Date

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

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

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 134519

CONDITIONS

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	134519
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	8/16/2022