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 E-mail: jeremy haass@eogresources.com



Arizona • Colorado • New Mexico • Texas • Utah

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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.



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.



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.

uttany Hall

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

Reviewed by:

Jami C. VSJ

Tami Knight, CHMM Environmental Project Manager tknight@envirotech-inc.com





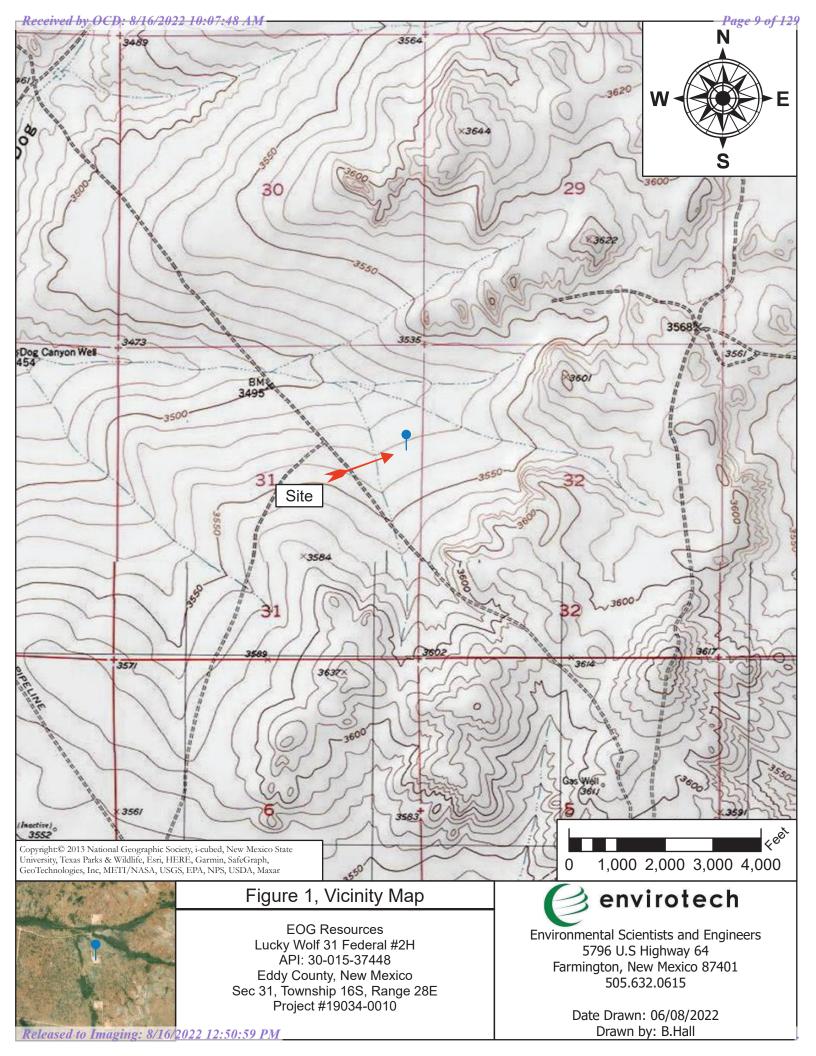


Figure 1, *Vicinity Map* Figure 2, *Site Map*





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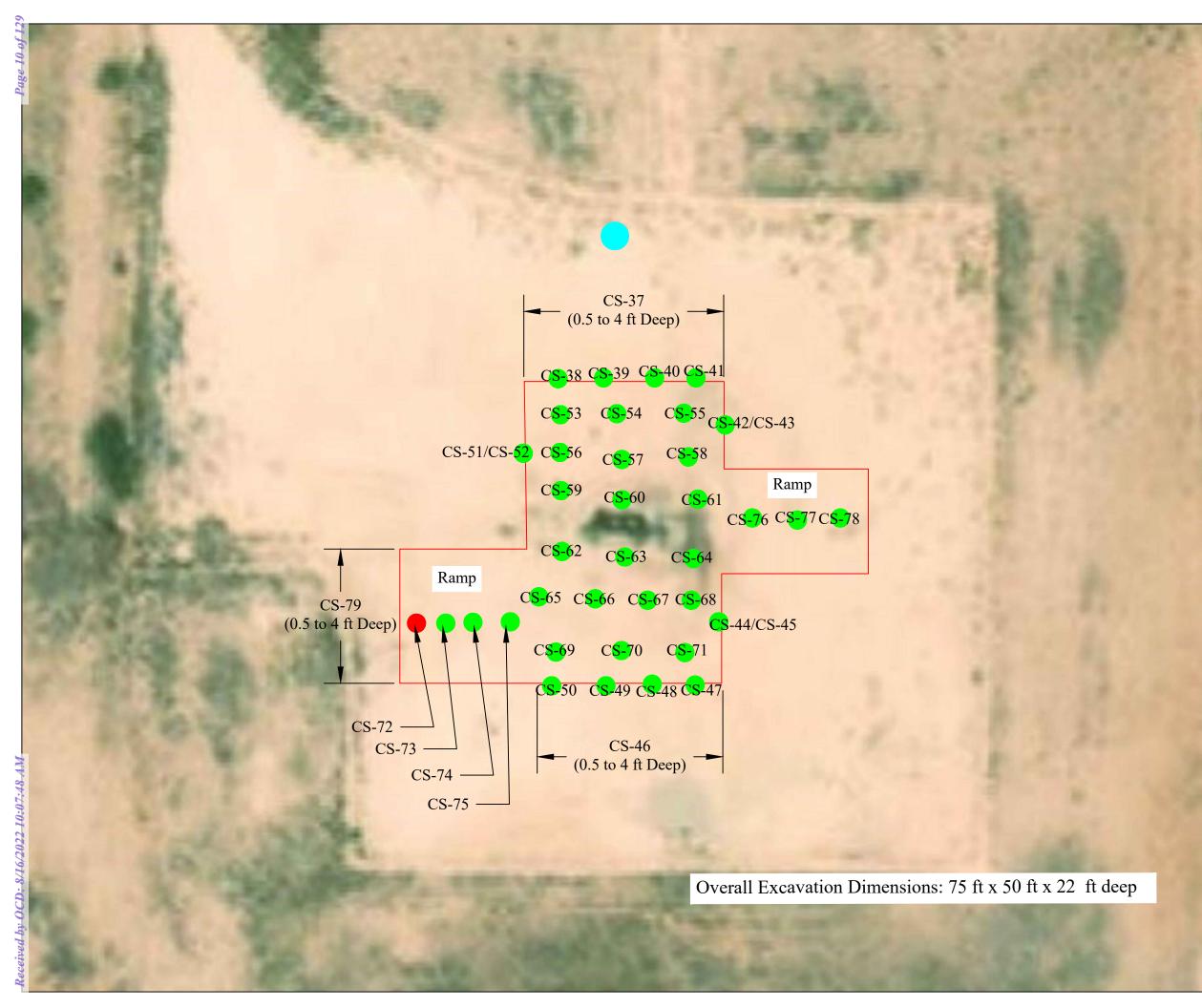


Figure 2, Site Map

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

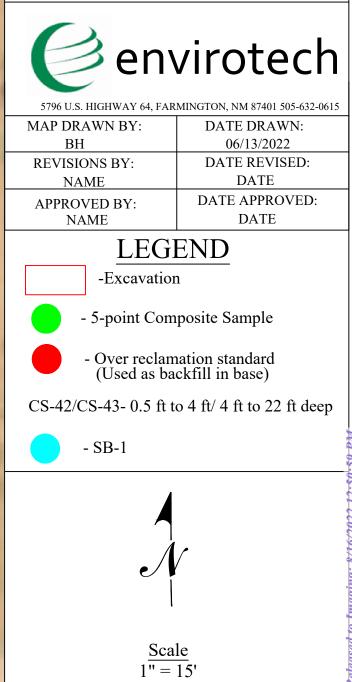






Table 1, Summary of Soil Analytical Results





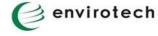
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Table 1, Summary of Soil Analytical Results EOG Resources, Inc. Release Closure Report Lucky Wolf Federal Com #2H ; API: 30-015-37448 Unit H Section 31, Township 16S, Range 28E Eddy County, New Mexico Project #19034-0010

			EPA	A Method 8	3015	EPA Meth	nod 8021	EPA Method 300.0
Date Laboratory		Sample Depth (below ground surface)						
	Sample ID	ground surface)	GRO	DRO	ORO	Benzenze	BTEX	Chloride
		lamation Closure Criteria 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	North Wall (4 to 22 ft)	<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		<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	, ,	<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	<0.025	<0.1	<400 <400
	CS-72		<20.0	<25.0	<50.0	<0.025	<0.1	909
	CS-72 CS-73		<20.0	<25.0	<50.0	<0.025	<0.1	839*
	CS-73 CS-74	SW Ramp	<20.0	<25.0	<50.0	<0.025	<0.1	739*
	CS-74 CS-75		<20.0	<25.0	<50.0	<0.025	<0.1	<400
	CS-75 CS-76		<20.0	<25.0	<50.0	<0.025	<0.1	<400 <400
		NE Ramp	<20.0	<25.0 <25.0	<50.0	<0.025	<0.1	<400
	CS-77							
5/26/2022	CS-78 CS-79	SW Ramp	<20.0 <20.0	65.6 <25.0	<50.0 <50.0	<0.025 <0.025	<0.1 <0.1	204 591

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







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





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 31 Federal #2H	Project Owner:	F. Aragon
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

Run on 3/24/2022 5:36 PM UTC

Daily Spill Visit Report

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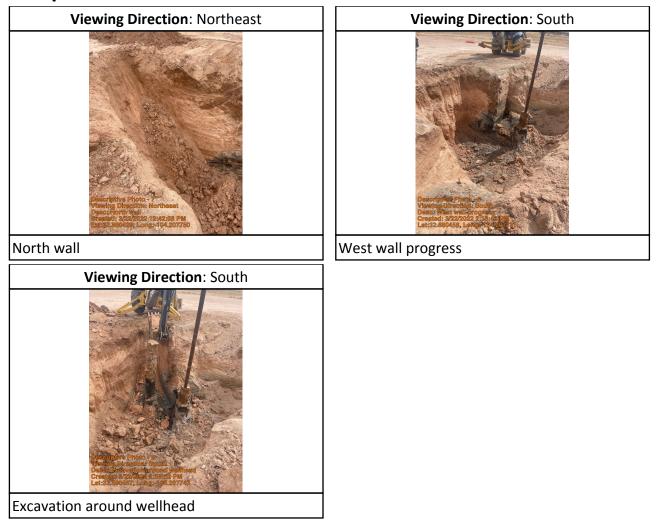
Viewing Direction: West	Viewing Direction: South
	Ensemble Photo -4 Ensemble Photo -4 Ensemble Photo -4 Ensemble Direction: South Ensemble Direction
Base contamination	Base contamination view 2
Viewing Direction: South	Viewing Direction: North
Description Prome Hewing Birectory and Description Prome Tess: Captor and The States Description Prome Tess: Captor and The States History and The States Description Prome Tess: Captor and The States History and History and History and History and History and History History and History and History History and History History and History History and History Histor	Description (D. Mon - Roman Reported Tables and Tomores) Reported Tables and Tomores) Reported Tables and Tomores) Reported Tables and Tomores) Reported Tables and Tables And Participal Resources (1 - 207690)
Contamination of base and south wall	Base and north wall

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Daily Spill Visit Report



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Daily Spill Visit Report

Daily Site Visit Signature

Inspector: Kholeton Sanchez XLSA Signature:

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			505-63	2-0615	1-800-3	62-1879	LAT 32,88036			our a
START DATE:	3-23-22				lighway 6		1			
FINISH DATE:	3-24-22		<u> </u>	190 US F	nynway o		LONG -	104.207	+2	
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			Field	Screer	ing Re					
				V	OC	TPH	(Method 4	18.1)	CHL	ORIDE
SAMPLE NAME	TIME COLLECTED	DESCR	IPTION	TIME	PID/OV ppm	TIME	READING	CALC. ppm	TIME	mg/k
WEST-WALD CS-01	11:18	WET W		11:38	10.3	21:21	30	120	11:26	<300
CS-02	13:53	nonth	lace	14:10	16.4	21:28	102	408	17:06	352
		200 50	>	<u></u>		21:11	228			
(5-05	11:43	BASE S.	<u>E.</u>	11.59	23.0	21:35	107	428	12:01	392
CS-04	12:08	WEST WAL		12:29	0.0	21:43	67	268	17:21	282
C5-05	13:06	WEST W/m		13:23	0.0	21:51	17-	68	13:07	<281
65-0-6	14:40	MORTH WALL		15:03	0.0	22:08	17	68	15:06	< 281
Cr-07	14:44	MORTH WALL		15:05	0.0	22:11	26	104	15:06	352
CS-08	16:50	EART Where		16:13	0.0	22:17	16	64	16:15	< 28
<u>Cr-09</u>	-16:54	200 STD	-SOUTH	16.14	0.0	22:15	16 227	64	16:17	< 281
CS-10	10:05	SOUTH WA	· · · · · · · · · · · · · · · · · · ·	10:23	0.0	21:22	227	108	10:24	390
CS-11	13:01	Sum I Chi	- LIFET	13:22	0.0	21:21	21	84	13:26	366
CS -12	15:50	SOUTH WALL BASE - S	WETH HAFT	16:20	2.0	21:29	129	216	16:32	315
$C_{S} = 12$	15:52	BASE-SOU		16:22	0.2	21:32	88	352	16:33	431
CS-14	15:55	BASE - No		16:24	14.5	21:35	259	1036	16:34	390
Q2-12	15:59	BASE - NOR		16:26	2-84.4	21:38	45	184	14:75	431
		200 570		21:95		21:36	183			
TP-1	11:50	TEST PIT-	SW	6	<u> </u>	22:08	166	664	12:20	352
TP - 2	11:52	TEST PIT -	SE			22:10	- 40	- 160	12:22	(281
TP.3	11:54	TEST PIT	- ne			22:13	-73	-292	12:24	C281
TP-4	11:57	TEST PIT	-nw	ļ		22:16 11:20	- 62	-248	12:26	6281
11	11:02	WHITE ROCK	FICON	11:28	1.4-	11:26	188	5.656		
WHITE ROCK		WHUE ROCK	EXCH.	17.25	7.9	12:16	63	252		
<u>is-16</u>	17:00	BOTTOM O	FUARE			12:10	62	2.3 64		
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Revised 6/14/2021

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CLIENT: CLIENT/JOB #:	Eos Cenvi		rote	ch	Envmtl. Spclst:		<u>KS</u>			
START DATE:	19034-00	10	EDE CO	1			Site Name:		LUCKY WOLF	
	NISH DATE: 3-7/-22					LAT	32.880	276		
FINISH DATE:				5796 US H			LONG -	104.20	1772	
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			Field	Screen	and a second	CONTRACTOR OF CONT				
				V()C	TPH	(Method 4	18.1)	CHLC	DRIDE
SAMPLE NAME	TIME COLLECTED	DESCR	IPTION	TIME	PID/OV ppm	TIME	READING	CALC. ppm	TIME	mg/k
CS-17	14:35	NORTWALL	- E						1	1
CS-18	14:37	NORT HWALL	- W						1	1
CS-19	17:39	EATT WALL	- n1						1	1
CS-20	14.40	EAST WALL-	· n2							1
CS-21	15:00	EAST WALL							1	1
(2-33	15:03	EATT WALL								1
CS-23	15:06	South WALL.	- E					***************	1	
CS-24	15:09	SOUTH WALL.	- N						1	1
(5-25	15:12	WEST WAL	L							
CS-26	15:15	BASE I						*****		İ
CS-27	15:18	BASE 2							1	1
C5-28	15:22	PASE 3								
C5-29	15:25	BASE Y					1	******	1	1
CS-70	15:38	BASE 5								1
CJ-J]	15:42	BASE 6							1	
CS-37	15:45	BASE 7-						······		
CS-37	15:48	BASE 8					1		-	
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Revised 6/14/2021

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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

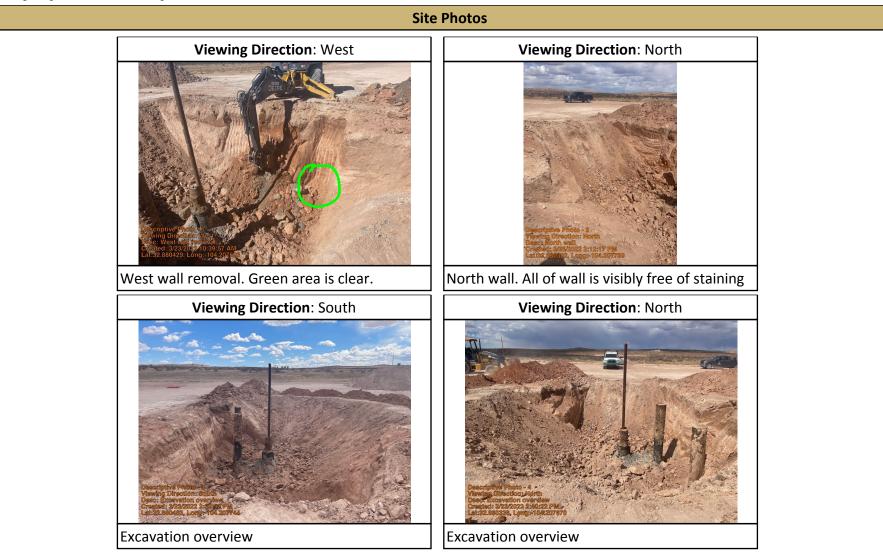
Next Steps & Recommendations

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Daily Spill Visit Report



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Daily Spill Visit Report

Daily Site Visit Signature

Inspector: Kholeton Sanchez Signature:

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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

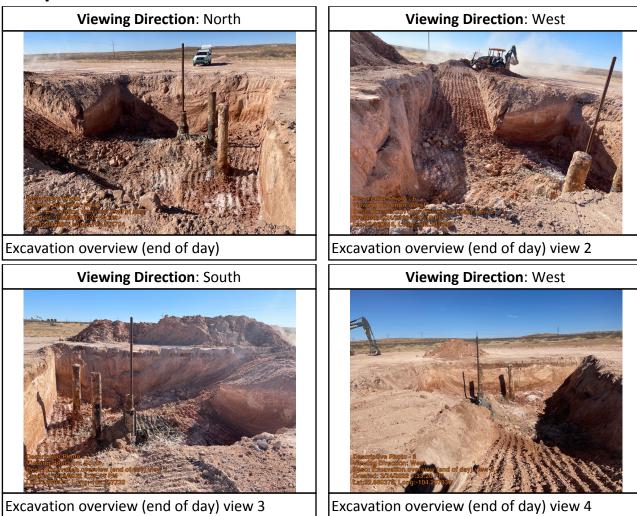
Site	e Photos
Viewing Direction: South	Viewing Direction: West
Excavation activities	Concrete around wellhead
Viewing Direction: West	Viewing Direction: East
A REAL OF A REAL	Descriptive Photo - 4 Vetering Directions East Bess: North Visiting Excession and the Descriptive Photo - 4 Vetering Directions East Bess: North Visiting Excession and the Descriptive Photo - 4 Vetering Directions East Bess: North Visiting Excession and the Descriptive Photo - 4 Vetering Directions East Bess: North Visiting Excession and the Descriptive Photo - 4 Vetering Directions East Bess: North Visiting Excession and the Descriptive Photo - 4 Vetering Directions East Bess: North Visiting Excession and the Descriptive Photo - 4 Vetering Directions East Bess: North Visiting Excession and the Descriptive Photo - 4 Vetering Directions East Bess: North Visiting Excession and the Descriptive Photo - 4 Vetering Directions East Bess: North Visiting Excession and the Descriptive Photo - 4 Vetering Directions East Bess: North Visiting Excession and the Descriptive Photo - 4 Vetering Directions East Bess: North Visiting Excession and the Descriptive Photo - 4 Vetering Directions East Bess: North Visiting Excession and the Descriptive Photo - 4 Vetering Directions East Bess: North Visiting Excession and the Descriptive Photo - 4 Vetering Directions East Bess: North Visiting Excession and the Descriptive Photo - 4 Vetering Directions East Bess: North Visiting Excession and the Descriptive Photo - 4 Vetering Directions East Bess: North Visiting Excession and the Descriptive Photo - 4 Vetering Directions East Bess: North Visiting Excession and the Descriptive Photo - 4 Vetering Directions East Bess: North Visiting Excession and the Descriptive Photo - 4 Vetering Directions East Bess: North Visiting Excession and the Descriptive Photo - 4 Vetering Directions East Bess: North Visiting Excession and the Direction and the Direction and the Di
West wall excavation. All of wall excavated to visibility and odor clearance	North/East excavation activities

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Daily Spill Visit Report







Daily Spill Visit Report



Fencing around excavation

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Daily Spill Visit Report

Daily Site Visit Signature

Inspector: Kholeton Sanchez Signature: Signature

Run on 5/6/2022 4:37 PM UTC

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🤗 envirotech

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 Times							
Arrived at Site	3/28/2022 12:00 PM						
Departed Site	3/28/2022 4:00 PM						

Field Notes

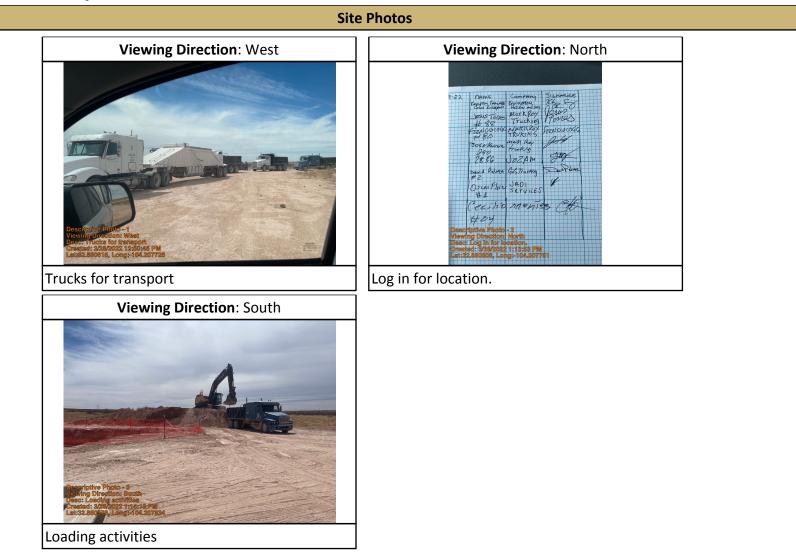
12:50 3 belly dumps and 3 end dumps arrived on site ready to be loaded. Will load with track hoe.

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





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Daily Spill Visit Report

Daily Site Visit Signature

Inspector: Kholeton Sanchez KL SA 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				

Field Notes

9:44 Trucks being loaded at 7:15. 4 end dumps, 3 belly dumps. ~108yds3. Trucks finished at 8:00

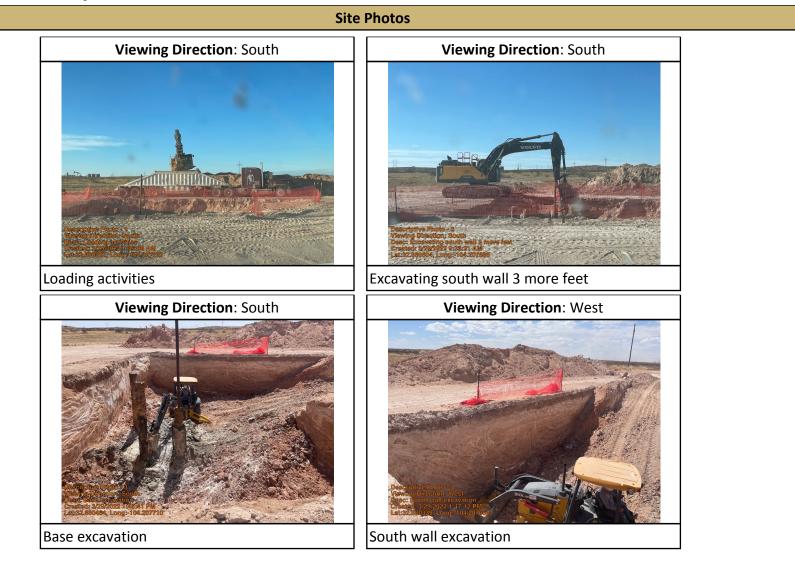
11:31 Beginning excavation on south wall. East end of wall complete and field screening @ O.O for VOC and 390 for chlorides. Beginning west of south wall excavation

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





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Daily Spill Visit Report

Daily Site Visit Signature



🥝 envirotech

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

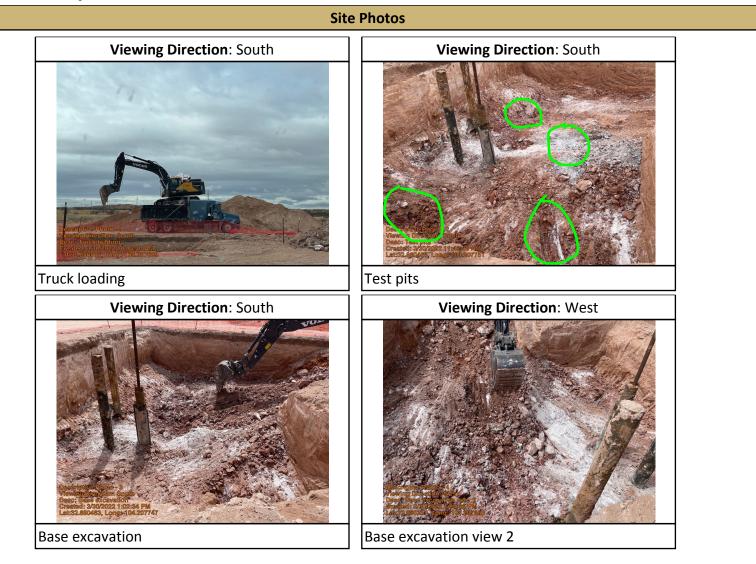
14:09 Trucks unable to make it back for 3rd trip.

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





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Daily Spill Visit Report

Daily Site Visit Signature

Inspector: Kholeton Sanchez Signature:



Client:	EOG Resources	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

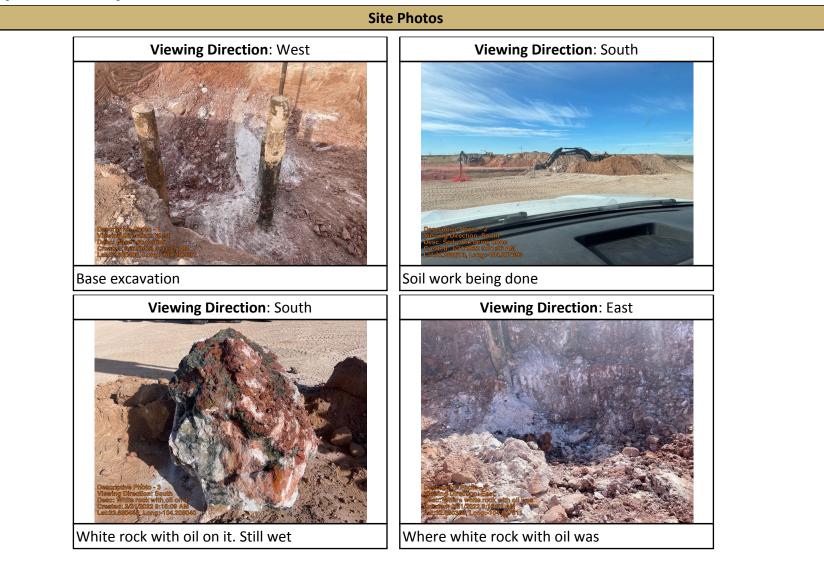
10:36 2nd trip of trucks being loaded

Next Steps & Recommendations

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Daily Spill Visit Report



Run on 5/6/2022 4:37 PM UTC







Base excavation (bottom at approximately 18')

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Daily Spill Visit Report

Daily Site Visit Signature

Inspector: Kholeton Sanchez Signature:

Run on 5/6/2022 4:37 PM UTC



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						

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

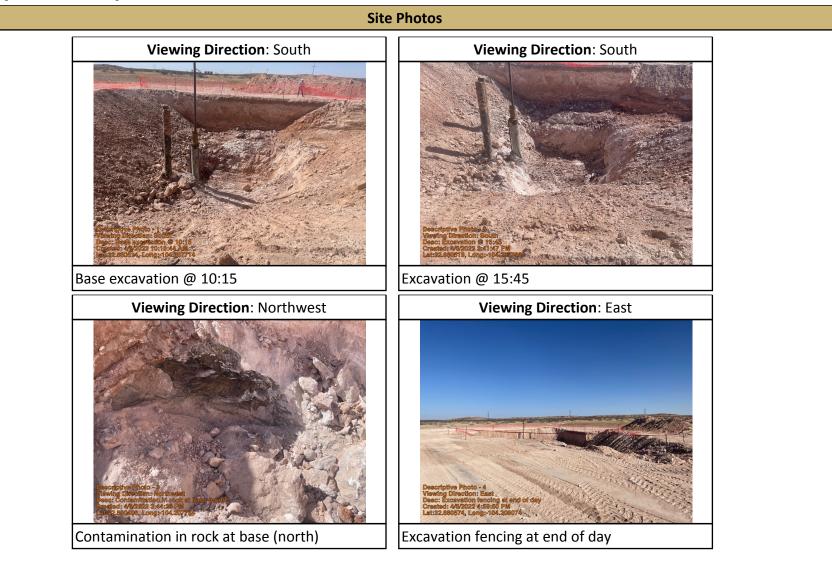
15:41 Finished excavating for day. North side of base dug out as much as possible

Next Steps & Recommendations

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Daily Spill Visit Report



Run on 5/6/2022 4:30 PM UTC

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Daily Spill Visit Report

Daily Site Visit Signature

Inspector: Kholeton Sanchez _____ Signature:

EOG		P	envi	rote	ch	Envmtl. S	Spclst:	KS	Road and the state of the state	
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<u> </u>		5	796 US F	lighway	64	LONG -	104.20.	172		
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		Field	Screen	ina Re	port					
			V	C		(Method /	140 4)	T OIL	() []] []] []] []] []] []] []] []	
TIME COLLECTED		A CONTRACTOR OF A CONTRACTOR O	TIME	PID/OV	TIME	READING	CALC.	an a		
10:48	Baca 2 1	5-20.		ppm	11:28	18	ppm 72			
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15:32							764			
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	<u>19014-00</u> <u>Y-622</u> <u>Y-7-22</u> of <u>TIME</u> <u>COLLECTED</u> <u>16:48</u> <u>11:15</u> <u>15:44</u> <u>15:38</u>	<u>19034-0010</u> <u>Y-622</u> <u>Y-7-22</u> <u>of</u> <u>of</u> <u>COLLECTED</u> <u>IG:48</u> <u>Rese</u> 21, 11:15 <u>200 Ste</u> 15:38 <u>200 Ste</u> 15:38 <u>200 Ste</u>	19014-0010 505-63 У-7-22 505-63 9-7-22 5 of Fa Field TIME DESCRIPTION IOLECTED DESCRIPTION 10:48 Rom 2 18-20* 10:48 Rom 2 18-20* 10:48 Rom 2 18-20* 15:44 Tase = 18-20* 15:38 200 5td	19014-0010 505-632-0615 У-7-22 505-632-0615 У-7-22 5796 US H of Farmington of Field Screen VC TIME DESCRIPTION COLLECTED DESCRIPTION 16:48 Rome 2018-20° 12:15 200 5+d 15:44 Dass 218-20° - N 15:38 200 5+d	19014-0010 505-632-0615 1-800-5 У-7-22 505-632-0615 1-800-5 У-7-22 5796 US Highway of Farmington, NM 874 of Field Screening Re VOC VOC TIME DESCRIPTION IME DESCRIPTION	19014-0010 505-632-0615 1-800-362-1879 9-7-22 5796 US Highway 64 of of Field Screening Report VOC TPH TIME DESCRIPTION TIME DESCRIPTION TIME DESCRIPTION 16:48 Rese 2 18'20' 17:75 200 5+d 15:44 15:58 15:38 200 5+d	19014-0010 Site Nam Y-622 505-632-0615 1-800-362-1879 LAT Y-7-22 5796 US Highway 64 LONG LONG	Image: Image of the second	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	

Revised 6/14/2021



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





Site Photos



Base excavation

Run on 5/6/2022 4:29 PM UTC

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Daily Spill Visit Report

Daily Site Visit Signature

Inspector: Kholeton Sanchez KLSA Signature: _/

envirotech

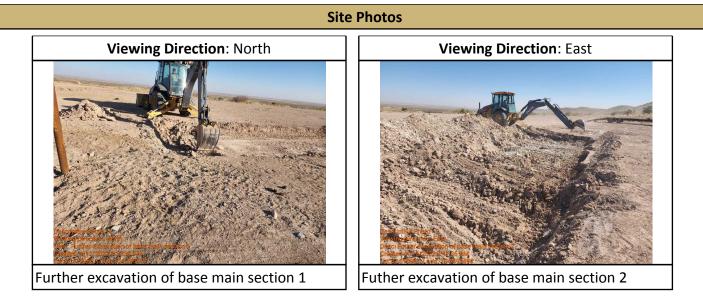
Daily Spill Visit Report

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					
Field Notes					

Next Steps & Recommendations

1





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Daily Spill Visit Report

Daily Site Visit Signature

Inspector: Isaac Garcia

Signature:

Run on 5/6/2022 4:29 PM UTC



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 Notes

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

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Daily Spill Visit Report

Daily Site Visit Signature

Inspector: Kholeton Sanchez 54 Signature:

Run on 5/6/2022 4:29 PM UTC

Received by OCD: 8/16/2022 10	0:07:48 A PEL	OW GRADE WELL COMPLETION DIAGRAM / LITHOLOGY LOG MW _	Page 62 of 12
r-11	USH MOUNT RAFFIC RATED	SB _	1
	ELL COVER		
	DEPTH TIME SMAR	HEADSPACE SAMPLE DESCRIPTION	arth
OR Frankrike	15:57	CONTRACTOR SAMPLE DESCRIPTION	DEPTIN
CONCRETE		WHITE-FINE 1	· 0'
			10
		2 En	
GROUT	16:21	RED	
NCH PVC FLUSH NT. THREADED SCHD 40 CASING	0		10'
			zo
		→	
		DAME BROWN - WHITE SPELS	
TOP SAND	16.52		20'
TOP SCREEN		CLAY-BROWN	
BICH PVC 0.010			
SCHO 40 FLUSH INT			
	17:19		30'
BTM SCREEN	┝╌┼┽		-
END CAPONETM		DRY CLAY	40'
Well Materials Used:		FINE BROWN	3
	18:00		40'
Sks 10-12 Silica Sand Sks Bentonite Chips			-
Sks Class "A" Cement Sks Quickcrete			50'
Ft Blank Casing	18.15	LEEP BROWN - CLAY	
Ft Screen			
Well Development: Bailed	┝╾┼┼		
Pumped			
Gallons of Water			
Remarks:			
······································			
DRILLER: BEN	RIT S	ZE: JINCH LOCATION: LUCKY WOU	231 6-1-24
HELPER: Kyue	TOTAL	BORING DEPTH. 50'	J' TEO LA
DRILLING COMPANY: HRL	DATE	STARTED: _ / 126/22 DATE COMPLETED	1_1
DRILLING METHOD: <u>A</u> Note: SS = Split Speen A = A		ER TYPE: CFOLOGIST. (SPACUPZ	
Now. BS - Spin Spool A - A		Environment in cuttings	
REVISIONS BY DATE		ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 EARMINGTON NEW NEW PROPORTION	
BY DATE JOB #		S7360 U.S. HIGHWAT 64 DATE DRAWN FARMINGTON, NEW MEXICO 87401 055) 632-0615 SCALE APPROVED BivGrdogdwg SCALE APPROVED	PAGE OF
	l	BitrGrdogdwg JUALE APPROVED	U

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Released to Imaging: 8/16/2022 12:50:59 PM

CLIENT:	EUG		C	envi	rotec	:h	Envmtl. S	pclst: 7.	Gare	jE.
CLIENT/JOB #:	1903-1-00	1903-1-0010					Onsite: I '	1:30	Offsite	: 15:30
START DATE:	5/26/207	2	505-63	2-0615 -	1-800-3	62-1879	LAT:	32, 88	036	
	5/26/20		5	796 US H	lighway 6	64		-104.2	11	-
Page #	of		Farmington, NM 87401							
	经运行时 代				ekal kalika					
LOCATION:	Name:	Lucky	Wolf		Well #:	31 Feder	45H	API: 30-0	215-3	7448
	County:	Eddy		-	State:	NM		HWY-MM:		
Cause of Release:		,		_Material R		3.		Amt. Relea	ised:	
QUAD/UNIT:	1 - (+	SEC:				RNG	28E	- PM		
Spill Located Approxim										1.8.4.1.1.
Excavation Approx:						FT.	Volume (c	v/tons):		
Disposal Facility:					_			<i></i> ,.		
Land Use:				_			Land Own	er:		
REGULATORY AGEN	CY:					TPH CLO	SURE STD			
ADDITIONAL CLOSUF		ENTS:								
		USQUESSUS		V	oc	TPH	I (Method	418.1)	С	hloride
SAMPLE NAME	TIME COLLECTED	DESCI	RIPTION	TIME	PID/OV ppm	TIME	READING	CALC ppm	TIME	mg/kg
CS-79	15:08	Sw Ram	np							
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	1	NO	TES: Inclus	le laborator	/ analysis in	formation		<u> </u>		
CS-COMPOSITE SAMPLE										
GS-GRAB SAMPLE										
SB-SOIL BORING										
TP-TEST PIT										
DU- DECISION UNIT										
ST-STATION										

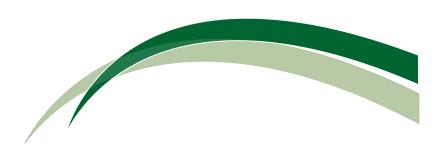
Page 1 Of _____

Revised 6/14/2021

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	SITE PERIMETER: Draw a schematic of the spill site. Attach photos and other diagrams as needed.
	Juli Hand Sample collected from Juli Hand JE. 780397 -104. 208008
	EXCAVATION OVERVIEW:
Sample Name:	EXCAVATION PROFILE VIEWS: Sample Name:
	Sample Name.
Sample Name:	Sample Name:





Siting Criteria Documentation





Practical Solutions for a Better Tomorrow

Released to Imaging: 8/16/2022 12:50:59 PM

Site Name:	Lucky Wolf 31 I	Federal Com	#2h	
API #:	30-015-37448			
Lat/Long:	32.88036, -104.20772			
	Unit H, Sec 31 T16S R28E			
Land Jurisdiction:		100 11202		
County:				
	Eddy			
Wellhead Protection Area Assessment		•		
Water Source Type			_	
(well/spring/stock pond)	ID	Latitude	Longitude	Distance
Distance to Nearest Significant Watercourse		1)		
656 feet south of unnamed tributary of Dog Can	yon Draw (3,519	amsl)		
Depth to Groundwater Determination				
Cathodic Report/Site Specific Hydrogeology				
Elevation Differential				
Water Wells Exploratory soil boring RA-13179 at 50 feet dry			t dry	
Sensitive Receptor Determination				
<300' of any continuously flowing watercourse or any other significant watercourse			No	
<200' of any lakebed, sinkhole or playa lake (measured from the Ordinary High Water			No	
<300' of an occupied permanent residence, school, hospital, institution or church			No	
<500' of a spring or private/domestic water well used by <5 households for domestic or				
steen watering parpeses			No	
<1000' of any water well or spring				No
Within incorporated municipal boundaries or within a defined municipal fresh water well			No	
<300' of a wetland			No	
Within the area overlying a subsurface mine				No
Within an unstable area			No	
Within a 100-year floodplain			No	
DTW Determination	≤50 □	50-100	>100	
Benzene	10	10	10	
BTEX (mg/kg)	50	50	50	
8015 TPH (GRO/DRO) (mg/kg)		1,000	1,000	
8015 TPH (GRO/DRO/MRO) (mg/kg)			,	
Chlorides (mg/kg) 600 10,000 20,000				



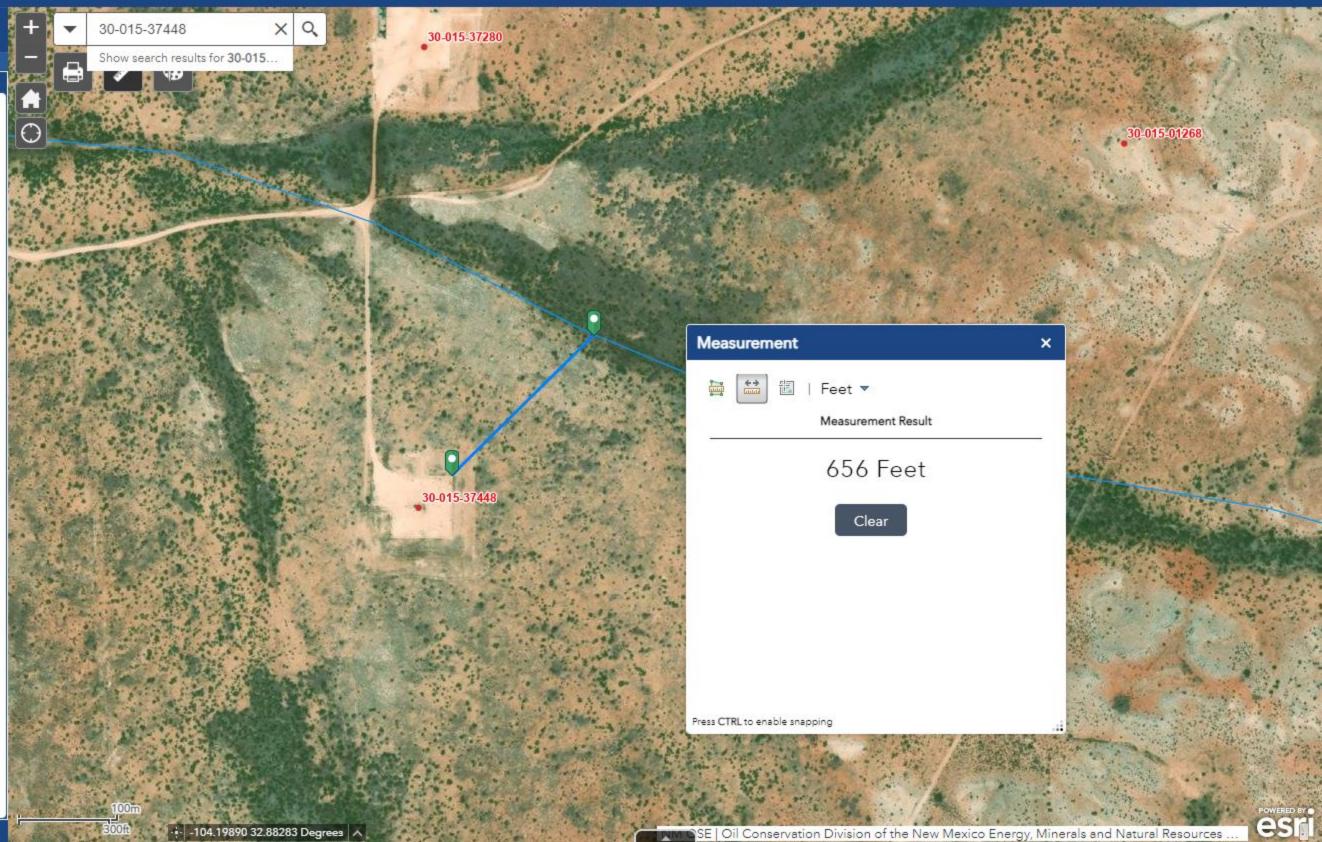
Practical Solutions of a Better Tomorrow

OSE POD Locations team.gis@state.nm.us

Water Rights Database Submit Meter Reading Drought Map COVID-19 Info Map Tutorial







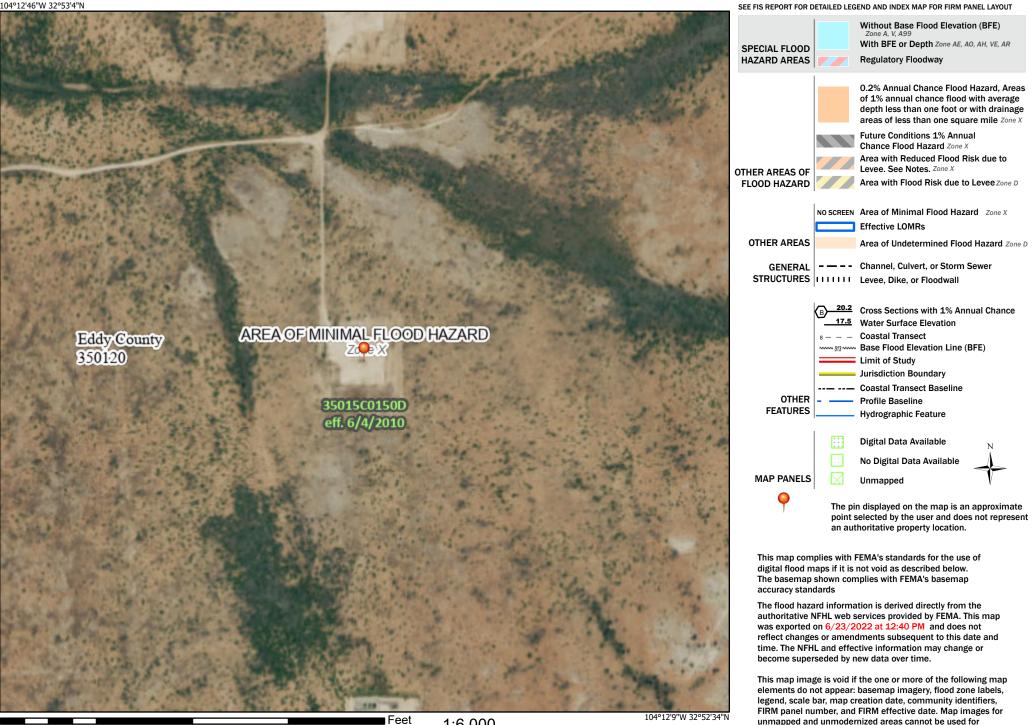
Received by OCD: 8/16/2022 10:07:48 AM National Flood Hazard Layer FIRMette



Legend

regulatory purposes.

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Releasea o Imaging: 8/16/2022 12:50:59 PM 1,500

1:6.000 2.000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020





Regulatory Correspondence





Practical Solutions for a Better Tomorrow

Released to Imaging: 8/16/2022 12:50:59 PM

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

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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 email	Incident # nAPP2128557106
bob_asher@eogresources.com	
Contact mailing address	
104 South Fourth Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.88036

Longitude <u>-104.20772</u>

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Lucky Wolf 31 Federal Com #2H	Site Type: Well Pad
Date Release Discovered: 9/28/2021	API# 30-015-37448

Unit Letter	Section	Township	Range	County
Н	31	16S	28E	Eddy

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 Released (Unknown)	Volume Recovered (Unknown)
Produced Water	Volume Released (Unknown)	Volume Recovered (Unknown)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
	Volume/Weight Released	Volume/Weight Recovered

Cause of Release

When conducting decommissioning work of the well pad after the Lucky Wolf 31 Federal Com #2H was plugged and abandoned, historical contamination (hydrocarbons & chlorides) was discovered in an area in and around the dry hole marker. (approximate area, 10' X 10').

Page 2

Dil	Conservation	Division
J 11	Conservation	DIVISION

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 responsible party consider this a major release?	
🗌 Yes 🖾 No		
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?		

Initial Response

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

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

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

Printed Name: Robert Asher	Title: Environmental Supervisor
Signature:	Date: <u>10/12/2021</u>
email: bob_asher@eogresources.com	Telephone: <u>575-748-4217</u>
OCD Only	
Received by: Ramona Marcus	Date: <u>10/13/2021</u>

Oil Conservation Division

	Page 73 of 1	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?	<u>>50</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🕅 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🕱 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🕱 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🔝 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Yes 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 🕱 No
Are the lateral extents of the release within 300 feet of a wetland?	Yes X 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 X No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes д 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.

<u>Characterization Report Checklist</u>: Each of the following items must be included in the report.

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- 🔄 Field data
- \mathbf{x} Data table of soil contaminant concentration data
- **X** Depth to water determination
- \mathbf{x} Determination of water sources and significant watercourses within $\frac{1}{2}$ -mile of the lateral extents of the release
- \mathbf{x} Boring or excavation logs
- X Photographs including date and GIS information
- x Topographic/Aerial maps
- x Laboratory data including chain of custody

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

Received by OCD: 8/16	72022 10:07:48 AM State of New Mexico			Page 74 of 129
			Incident ID	
Page 4	Oil Conservation Divis	ion	District RP	
			Facility ID	
			Application ID	
regulations all operators public health or the envi failed to adequately inve addition, OCD acceptant and/or regulations. Printed Name: Jerer Signature:		the oct does not relieve th a threat to groundwater, surface	orrective actions for rele e operator of liability sh ace water, human health liance with any other fe ialist	eases which may endanger ould their operations have or the environment. In
OCD Only Received by: Joce	lyn Harimon	Date: <u>08</u> /	16/2022	

Received by OCD: 8/16/2022 10:07:48 AM Form C-141 State of New Mexico

Oil Conservation Division

Incident ID	NAPP2128557106
District RP	
Facility ID	
Application ID	

Remediation Plan

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

 $\underline{\mathbf{x}}$ Detailed description of proposed remediation technique

Scaled sitemap with GPS coordinates showing delineation points

 \mathbf{x} Estimated volume of material to be remediated

 \overrightarrow{x} Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

 $\boxed{\mathbf{x}}$ 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 con	firmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around prodeconstruction.	oduction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health	, the environment, or groundwater.
I hereby certify that the information given above is true and complet rules and regulations all operators are required to report and/or file c which may endanger public health or the environment. The acceptan liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local la	ertain release notifications and perform corrective actions for releases nee of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, cceptance of a C-141 report does not relieve the operator of
Printed Name: Jeremy Haass	Title: S&E Specialist
Signature:Y Huss	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 A	Approval Denied Deferral Approved
Signature:	Date:

Page 6

Oil Conservation Division

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.

<u>Closure Report Attachment Checklist</u> : Each of the following it	tems must be included in the closure report.
X A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
A Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
x Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
\mathbf{x} Description of remediation activities	
and regulations all operators are required to report and/or file certair may endanger public health or the environment. The acceptance of	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in
Printed Name: Jeremy Haass	Title: S&E Specialist
Signature: Hss	Date: 8/16/2022
email:jeremy_haass@eogresources.com_	Telephone: 575-748-4311
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

<u>Haass</u>
<u>hight; Brittany Hall</u>
ky Wolf 31 Federal Com 2H (nAPP2128557106) Sampling Notification
day, April 13, 2022 2:50:49 PM
<u>D1.png</u>

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 Huerta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121 Email: tina huerta@eogresources.com



Brittany Hall

From:	Tami Knight
Sent:	Monday, June 13, 2022 9:38 AM
То:	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 <bhall@envirotech-inc.com>; Tami Knight <TKnight@envirotech-inc.com>
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 <<u>Miriam Morales@eogresources.com</u>
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>; <u>jocelyn.harimon@state.nm.us</u>; <u>Jennifer.Nobui@state.nm.us</u>
Cc: Artesia S&E Spill Remediation <<u>Artesia_S&E_Spill_Remediation@eogresources.com</u>
; 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





Laboratory Analytical Reports





Practical Solutions for a Better Tomorrow

Released to Imaging: 8/16/2022 12:50:59 PM





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: L

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

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 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

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

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

Sampic Summary					
EOG Resources		Project Name: Lucky Wolf 31 Fed 2H		Reported:	
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 Resources	Project Nam		xy Wolf 31 Fe	d 2H		
104 South 4th Street	Project Num		34-0010			Reported:
Artesia NM, 88210	Project Man	ager: Greg	g Crabtree			4/22/2022 1:31:26PM
		CS - 37				
		E204095-01				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
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		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	An	alyst: 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	An	alyst: 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	An	alyst: RAS		Batch: 2217015
Chloride	ND	200	10	04/20/22	04/20/22	





Sample Data

	5	ample D	aca			
EOG Resources	Project Name	: Luc	ky Wolf 31 F			
104 South 4th Street	Project Numb		34-0010			Reported:
Artesia NM, 88210	Project Mana	roject Manager: Greg Crabtree				4/22/2022 1:31:26PM
		CS - 38				
		E204095-02				
		Reporting				
Analyte	Result	Limit	Diluti	ion Prepar	ed Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	nalyst: IY		Batch: 2217012
Benzene	ND	0.0250	1	04/20/2	22 04/20/22	
Ethylbenzene	ND	0.0250	1	04/20/2	22 04/20/22	
Toluene	ND	0.0250	1	04/20/2	22 04/20/22	
p-Xylene	ND	0.0250	1	04/20/2	22 04/20/22	
p,m-Xylene	ND	0.0500	1	04/20/2	22 04/20/22	
Total Xylenes	ND	0.0250	1	04/20/2	22 04/20/22	
Surrogate: Bromofluorobenzene		91.1 %	70-130	04/20/.	22 04/20/22	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	04/20/2	22 04/20/22	
Surrogate: Toluene-d8		94.9 %	70-130	04/20/2	22 04/20/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	nalyst: IY		Batch: 2217012
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/2	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	А	nalyst: JL		Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/2	22 04/21/22	
Dil Range Organics (C28-C36)	ND	50.0	1	04/20/2	22 04/21/22	
Surrogate: n-Nonane		112 %	50-200	04/20/2	22 04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	analyst: RAS		Batch: 2217015
Chloride	ND	200	10	04/20/2	22 04/20/22	



Sample Data

		ample D	uu			
EOG Resources	Project Name	Luc	ky Wolf 31 F	ed 2H		
104 South 4th Street	Project Numb	er: 1903	34-0010			Reported:
Artesia NM, 88210	Project Manag	ger: Greg	g Crabtree			4/22/2022 1:31:26PM
		CS - 39				
		E204095-03				
		Reporting				
Analyte	Result	Limit	Dilut	on 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	
p-Xylene	ND	0.0250	1	04/20/22	04/20/22	
o,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		89.6 %	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	A	.nalyst: IY		Batch: 2217012
Gasoline Range Organics (C6-C10)	ND	20.0	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 - DRO/ORO	mg/kg	mg/kg	A	.nalyst: JL		Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/22	04/21/22	
Dil 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	nalyst: RAS		Batch: 2217015
Chloride	ND	200	10	04/20/22	04/20/22	



Sample Data

		ample D					
EOG Resources	Project Name:	Lucl	ky Wolf 31 I	Fed 2H			
104 South 4th Street	Project Numb	er: 1903	19034-0010				Reported:
Artesia NM, 88210	Project Manag	ger: Greg	g Crabtree				4/22/2022 1:31:26PM
		CS - 40					
		E204095-04					
		Reporting					
Analyte	Result	Limit	Dilut	tion P	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY			Batch: 2217012
Benzene	ND	0.0250	1	04	4/20/22	04/20/22	
Ethylbenzene	ND	0.0250	1	04	4/20/22	04/20/22	
Toluene	ND	0.0250	1	04	4/20/22	04/20/22	
p-Xylene	ND	0.0250	1	04	4/20/22	04/20/22	
o,m-Xylene	ND	0.0500	1	04	4/20/22	04/20/22	
Fotal Xylenes	ND	0.0250	1	04	4/20/22	04/20/22	
Surrogate: Bromofluorobenzene		89.6 %	70-130	0-	4/20/22	04/20/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	0-	4/20/22	04/20/22	
Surrogate: Toluene-d8		96.6 %	70-130	0-	4/20/22	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	4/20/22	04/20/22	
Surrogate: Bromofluorobenzene		89.6 %	70-130	0-	4/20/22	04/20/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	0-	4/20/22	04/20/22	
Surrogate: Toluene-d8		96.6 %	70-130	0-	4/20/22	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	4/20/22	04/21/22	
Dil Range Organics (C28-C36)	ND	50.0	1	04	4/20/22	04/21/22	
Surrogate: n-Nonane		109 %	50-200	0-	4/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: RAS			Batch: 2217015
Chloride	803	200	10) 04	4/20/22	04/20/22	



Sample Data

		ample D				
EOG Resources	Project Name	: Luc	ky Wolf 31 I	Fed 2H		
104 South 4th Street	Project Numb	er: 1903	34-0010			Reported:
Artesia NM, 88210	Project Manag	ger: Greg	g Crabtree			4/22/2022 1:31:26PM
		CS - 41				
		E204095-05				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepar	ed Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY		Batch: 2217012
Benzene	ND	0.0250	1	04/20/2	22 04/21/22	
Ethylbenzene	ND	0.0250	1	04/20/2	22 04/21/22	
Toluene	ND	0.0250	1	04/20/2	22 04/21/22	
p-Xylene	ND	0.0250	1	04/20/2	22 04/21/22	
o,m-Xylene	ND	0.0500	1	04/20/2	22 04/21/22	
Fotal Xylenes	ND	0.0250	1	04/20/2	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	04/20/2	22 04/21/22	
Surrogate: Toluene-d8		101 %	70-130	04/20/2	22 04/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: IY		Batch: 2217012
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/2	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	04/20/2	22 04/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: JL		Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/2	22 04/21/22	
Dil Range Organics (C28-C36)	ND	50.0	1	04/20/2	22 04/21/22	
Surrogate: n-Nonane		117 %	50-200	04/20/2	22 04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	ł	Analyst: RAS		Batch: 2217015
Chloride	457	200	10	04/20/2	22 04/20/22	



Sample Data

		ample D	uta			
EOG Resources	Project Name:	Luc	xy Wolf 31 F	ed 2H		
104 South 4th Street	Project Numbe		34-0010			Reported:
Artesia NM, 88210	Project Manag	er: Greg	g Crabtree			4/22/2022 1:31:26PM
		CS - 42				
		E204095-06				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	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	
p-Xylene	ND	0.0250	1	04/20/22	04/20/22	
o,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	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	А	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		116 %	50-200	04/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	nalyst: RAS		Batch: 2217015
Chloride	458	200	10	04/20/22	04/20/22	



Sample Data

		ample D	ata			
EOG Resources	Project Name	e: Luc	xy Wolf 31 Fe	ed 2H		
104 South 4th Street	Project Num		34-0010			Reported:
Artesia NM, 88210	Project Mana	ct Manager: Greg Crabtree				4/22/2022 1:31:26PM
		CS - 43				
		E204095-07				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ar	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	
p-Xylene	ND	0.0250	1	04/20/22	04/20/22	
o,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	Ar	nalyst: 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		96.9 %	70-130	04/20/22	04/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: JL		Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/22	04/21/22	
Dil 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	Ar	nalyst: RAS		Batch: 2217015
Chloride	334	200	10	04/20/22	04/20/22	



Sample Data

	5	ample D	ata			
EOG Resources	Project Name		ky Wolf 31 H	Fed 2H		
104 South 4th Street	Project Numb		34-0010			Reported:
Artesia NM, 88210	Project Mana	ger: Greg	g Crabtree			4/22/2022 1:31:26PM
		CS - 44				
		E204095-08				
		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	04/20/22	
Ethylbenzene	ND	0.0250	1	04/20/22	04/20/22	
Toluene	ND	0.0250	1	04/20/22	04/20/22	
p-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	ŀ	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	ŀ	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
Chloride	ND	200	10	04/20/22	04/20/22	



Sample Data

	5	ample D	ata			
EOG Resources	Project Name	e: Luc	ky Wolf 31 Fe	ed 2H		
104 South 4th Street	Project Numb		34-0010			Reported:
Artesia NM, 88210	Project Mana	ger: Greg	g Crabtree			4/22/2022 1:31:26PM
		CS - 45				
		E204095-09				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	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	
p-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	Analyst: 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	aalyst: 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	alyst: RAS		Batch: 2217015
Chloride	ND	200	10	04/20/22	04/20/22	



Sample Data

		ample D	uu				
EOG Resources	Project Name:	Luc	ky Wolf 31	Fed 2H			
104 South 4th Street	Project Numb	er: 1903	19034-0010				Reported:
Artesia NM, 88210	Project Manager: Greg Crabtree					4/22/2022 1:31:26PM	
		CS - 46					
		E204095-10					
		Reporting					
Analyte	Result	Limit	Dilu	tion	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	04/22/22	
Ethylbenzene	ND	0.0250	1		04/20/22	04/22/22	
Toluene	ND	0.0250	1		04/20/22	04/22/22	
p-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		Analyst: Г	Y		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		Analyst: J	L		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		Analyst: R	AS		Batch: 2217015
Chloride	ND	200	1	0	04/20/22	04/20/22	



Sample Data

	D.	ample D	ala			
EOG Resources	Project Name:		ky Wolf 31 F	ed 2H		
104 South 4th Street	Project Number		34-0010			Reported:
Artesia NM, 88210	Project Manag	ger: Greg	g Crabtree			4/22/2022 1:31:26PM
		CS - 47				
		E204095-11				
		Reporting				
Analyte	Result	Limit	Dilut	on 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	04/22/22	
Ethylbenzene	ND	0.0250	1	04/20/22	04/22/22	
Toluene	ND	0.0250	1	04/20/22	04/22/22	
p-Xylene	ND	0.0250	1	04/20/22	04/22/22	
o,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	А	.nalyst: 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	А	nalyst: JL		Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/22	04/21/22	
Dil 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	nalyst: RAS		Batch: 2217015
Chloride	398	200	10	04/20/22	04/20/22	



Sample Data

	5	ample D	ala				
EOG Resources	Project Name:		ky Wolf 31 F	ed 2H			
104 South 4th Street	Project Numb		34-0010			Reported:	
Artesia NM, 88210	Project Manag	ger: Greg	g Crabtree			4/22/2022 1:31:26PM	
		CS - 48					
		E204095-12					
		Reporting					
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	nalyst: 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		
p-Xylene	ND	0.0250	1	04/20/22	04/22/22		
o,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		88.5 %	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	А	nalyst: IY		Batch: 2217012	
Gasoline Range Organics (C6-C10)	ND	20.0	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	А	nalyst: JL		Batch: 2217023	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/22	04/21/22		
Dil 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	А	nalyst: RAS		Batch: 2217015	
Chloride	320	200	10	04/20/22	04/20/22		



Sample Data

	5	ampie D	ala			
EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Project Numb Project Manag	er: 190	ky Wolf 31 Fed 2H 34-0010 g Crabtree	[Reported: 4/22/2022 1:31:26PM
		CS - 49				
		E204095-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: 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	
p-Xylene	ND	0.0250	1	04/20/22	04/21/22	
p,m-Xylene	ND	0.0500	1	04/20/22	04/21/22	
Fotal 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	Analyst	: 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	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		122 %	50-200	04/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2217015
Chloride	349	200	10	04/20/22	04/20/22	



Sample Data

	D	ample D	ata			
EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name Project Numb Project Manaş	er: 1903	xy Wolf 31 Fed 2H 34-0010 g Crabtree			Reported: 4/22/2022 1:31:26PM
		CS - 50				
		E204095-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	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	
p-Xylene	ND	0.0250	1	04/20/22	04/21/22	
o,m-Xylene	ND	0.0500	1	04/20/22	04/21/22	
Fotal Xylenes	ND	0.0250	1	04/20/22	04/21/22	
Surrogate: 4-Bromochlorobenzene-PID		93.5 %	70-130	04/20/22	04/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	IY		Batch: 2217014
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/22	04/21/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.8 %	70-130	04/20/22	04/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/22	04/21/22	
Dil Range Organics (C28-C36)	ND	50.0	1	04/20/22	04/21/22	
Surrogate: n-Nonane		120 %	50-200	04/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	RAS		Batch: 2217015
Chloride	212	200	10	04/20/22	04/20/22	



Sample Data

	5	ampie D	ala			
EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Project Numbo Project Manag	er: 190	ky Wolf 31 Fed 2H 34-0010 g Crabtree			Reported: 4/22/2022 1:31:26PM
		CS - 51				
		E204095-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	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	
Foluene	ND	0.0250	1	04/20/22	04/21/22	
p-Xylene	ND	0.0250	1	04/20/22	04/21/22	
o,m-Xylene	ND	0.0500	1	04/20/22	04/21/22	
Fotal 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	Analyst	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	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	Analyst:	RAS		Batch: 2217015
Chloride	ND	200	10	04/20/22	04/20/22	



Sample Data

		ampic D				
EOG Resources	Project Name	: Luc	ky Wolf 31 Fed 2H	I		
104 South 4th Street	Project Numb		34-0010		Reported:	
Artesia NM, 88210	Project Manag	ger: Gre	g Crabtree			4/22/2022 1:31:26PM
		CS - 52				
		E204095-16				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: 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	
p-Xylene	ND	0.0250	1	04/20/22	04/21/22	
o,m-Xylene	ND	0.0500	1	04/20/22	04/21/22	
Fotal 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	Analyst	: 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	Analyst	: JL		Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/22	04/21/22	
Dil Range Organics (C28-C36)	ND	50.0	1	04/20/22	04/21/22	
urrogate: n-Nonane		113 %	50-200	04/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2217015
Chloride	232	200	10	04/20/22	04/20/22	



Sample Data

		imple D				
EOG Resources 104 South 4th Street	Project Name: Project Numbe	Lucl r: 1903		Reported:		
Artesia NM, 88210	Project Manage		g Crabtree			4/22/2022 1:31:26PM
		CS - 53				
]	E204095-17				
		Reporting				
Analyte	Result	Limit	Dilut	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	.nalyst: 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	А	.nalyst: 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	А	.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		112 %	50-200	04/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	nalyst: RAS		Batch: 2217015
Chloride	497	200	10	04/20/22	04/20/22	



Sample Data

		ampic D				
EOG Resources	Project Name		ky Wolf 31 Fed 2H			
104 South 4th Street	Project Numb		34-0010	Reported:		
Artesia NM, 88210	Project Manag	ger: Gre	g Crabtree			4/22/2022 1:31:26PM
		CS - 54				
		E204095-18				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	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	
p-Xylene	ND	0.0250	1	04/20/22	04/21/22	
o,m-Xylene	ND	0.0500	1	04/20/22	04/21/22	
Fotal 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	Analyst	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	Analyst	JL		Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/22	04/21/22	
Dil Range Organics (C28-C36)	ND	50.0	1	04/20/22	04/21/22	
Surrogate: n-Nonane		99.7 %	50-200	04/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	RAS		Batch: 2217015
Chloride	549	200	10	04/20/22	04/20/22	



Sample Data

	~					
EOG Resources	Project Name	e: Luc	ky Wolf 31 Fed 2H			
104 South 4th Street	Project Numb	ber: 1903	34-0010	Reported:		
Artesia NM, 88210	Project Mana	ger: Gre	g Crabtree			4/22/2022 1:31:26PM
		CS - 55				
		E204095-19				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	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	
Foluene	ND	0.0250	1	04/20/22	04/21/22	
p-Xylene	ND	0.0250	1	04/20/22	04/21/22	
o,m-Xylene	ND	0.0500	1	04/20/22	04/21/22	
Fotal 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	Analyst	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	Analyst	JL		Batch: 2217023
Diesel Range Organics (C10-C28)	ND	25.0	1	04/20/22	04/21/22	
Dil 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	Analyst	RAS		Batch: 2217015
Chloride	526	200	10	04/20/22	04/20/22	



Sample Data

		ampic D	uu			
EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 1903	ky Wolf 31 Fed 2H 34-0010 g Crabtree	I		Reported: 4/22/2022 1:31:26PM
		CS - 56				
		E204095-20				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: IY		Batch: 2217031
Benzene	ND	0.0250	1	04/20/22	04/21/22	
thylbenzene	ND	0.0250	1	04/20/22	04/21/22	
oluene	ND	0.0250	1	04/20/22	04/21/22	
-Xylene	ND	0.0250	1	04/20/22	04/21/22	
o,m-Xylene	ND	0.0500	1	04/20/22	04/21/22	
Total Xylenes	ND	0.0250	1	04/20/22	04/21/22	
urrogate: 4-Bromochlorobenzene-PID		102 %	70-130	04/20/22	04/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: IY		Batch: 2217031
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/20/22	04/21/22	
urrogate: 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	Analyst	: JL		Batch: 2217023
Diesel Range Organics (C10-C28)	188	25.0	1	04/20/22	04/21/22	
Dil Range Organics (C28-C36)	76.9	50.0	1	04/20/22	04/21/22	
urrogate: n-Nonane		113 %	50-200	04/20/22	04/21/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2217015
Chloride	278	200	10	04/20/22	04/20/22	



QC Summary Data

		Y U D		i j Duu	•				
EOG Resources		Project Name:		icky Wolf 31 F	Fed 2H				Reported:
104 South 4th Street		Project Number:		034-0010					
Artesia NM, 88210		Project Manager:	Gr	eg Crabtree					4/22/2022 1:31:26PM
	V	olatile Organic	Compo	unds by EP	A 82601	3			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 (2217012-BLK1)						Р	repared: 04	/20/22 A	nalyzed: 04/22/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
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-BS1)						Р	repared: 04	/20/22 A	nalyzed: 04/21/22
Benzene	2.64	0.0250	2.50		106	70-130			
Ethylbenzene	2.55	0.0250	2.50		102	70-130			
Toluene	2.56	0.0250	2.50		102	70-130			
p-Xylene	2.43	0.0250	2.50		97.4	70-130			
o,m-Xylene	4.95	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		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			
LCS Dup (2217012-BSD1)						Р	repared: 04	/20/22 A	nalyzed: 04/21/22
Benzene	2.63	0.0250	2.50		105	70-130	0.607	23	
Ethylbenzene	2 (0	0.0250	2.50		104	70-130	1.87	27	
Eurytoenzene	2.60	010200			103	70-130	0.954	24	
•	2.58	0.0250	2.50						
Toluene	2.58 2.51		2.50		100	70-130	2.97	27	
Toluene o-Xylene	2.58 2.51 5.05	0.0250	2.50 5.00		100 101	70-130	1.96	27	
Toluene >-Xylene p.m-Xylene Total Xylenes	2.58 2.51	0.0250 0.0250	2.50		100				
Toluene 5-Xylene 5,m-Xylene Total Xylenes	2.58 2.51 5.05	0.0250 0.0250 0.0500	2.50 5.00		100 101	70-130	1.96	27	
Toluene p-Xylene p,m-Xylene	2.58 2.51 5.05 7.56	0.0250 0.0250 0.0500	2.50 5.00 7.50		100 101 101	70-130 70-130	1.96	27	



OC Summary Data

		QU DI		ing Date	4				
EOG Resources 104 South 4th Street		Project Name: Project Number:	19	ucky Wolf 31 1 034-0010	Fed 2H				Reported:
Artesia NM, 88210		Project Manager:	G	reg Crabtree					4/22/2022 1:31:26PM
		Volatile Organics by EPA 8021B							
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: 04/2							analyzed: 04/20/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.41		8.00		105	70-130			
LCS (2217014-BS1)							Prepared: 0	4/20/22 A	analyzed: 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			
Foluene	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)							Prepared: 0	4/20/22 A	analyzed: 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	
p-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	
Total Xylenes	13.5	0.0250	15.0		89.9	70-130	2.08	20	
Surrogate: 4-Bromochlorobenzene-PID	7.86		8.00		98.3	70-130			



QC Summary Data

		QC D	u111111	ii y Dat	a				
EOG Resources 104 South 4th Street		Project Name: Project Number:	19	ucky Wolf 31 9034-0010	Fed 2H				Reported:
Artesia NM, 88210		Project Manager:	G	reg Crabtree					4/22/2022 1:31:26PM
	Volatile Organics by EPA 8021B							Analyst: IY	
Analyte		Reporting	Spike	Source		Rec		RPD	
	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2217031-BLK1)							Prepared: 0	4/21/22 A	nalyzed: 04/21/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.64		8.00		95.5	70-130			
LCS (2217031-BS1)							Prepared: 0	4/21/22 A	nalyzed: 04/21/22
Benzene	4.80	0.0250	5.00		96.0	70-130			
Ethylbenzene	4.84	0.0250	5.00		96.8	70-130			
Toluene	4.98	0.0250	5.00		99.6	70-130			
-Xylene	5.07	0.0250	5.00		101	70-130			
o,m-Xylene	9.98	0.0500	10.0		99.8	70-130			
Fotal Xylenes	15.1	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			
Matrix Spike (2217031-MS1)				Source:	E204111-01		Prepared: 0	4/21/22 A	nalyzed: 04/21/22
Benzene	4.81	0.0250	5.00	ND	96.3	54-133			
Ethylbenzene	4.91	0.0250	5.00	ND	98.2	61-133			
Toluene	5.03	0.0250	5.00	ND	101	61-130			
p-Xylene	5.14	0.0250	5.00	ND	103	63-131			
o,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.02		8.00		100	70-130			
Matrix Spike Dup (2217031-MSD1)				Source:	E204111-01		Prepared: 0	4/21/22 A	nalyzed: 04/21/22
Benzene	4.80	0.0250	5.00	ND	96.0	54-133	0.344	20	
Ethylbenzene	4.86	0.0250	5.00	ND	97.2	61-133	0.979	20	
Toluene	5.00	0.0250	5.00	ND	100	61-130	0.707	20	
p-Xylene	5.09	0.0250	5.00	ND	102	63-131	0.990	20	
o,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	0.961	20	
Total Xylenes	15.1	0.0250	15.0	ND	101	63-131	0.971	20	
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.0	70-130			



QC Summary Data

		QC D	uIIIII	ary Data	а				
EOG Resources 104 South 4th Street		Project Name: Project Number:	1	ucky Wolf 31 9034-0010	Fed 2H				Reported:
Artesia NM, 88210		Project Manager:	G	reg Crabtree					4/22/2022 1:31:26PM
	No	nhalogenated C	Organics	by EPA 80	15D - G	RO			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 (2217012-BLK1)							Prepared: 0	4/20/22 A	nalyzed: 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: 0	4/20/22 A	nalyzed: 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: 0	4/20/22 A	nalyzed: 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			



QC Summary Data

		QU N	/u	ury Duc					
EOG Resources 104 South 4th Street		Project Name: Project Number		Lucky Wolf 31 9034-0010	Fed 2H				Reported:
Artesia NM, 88210		Project Manage	r: (Greg Crabtree					4/22/2022 1:31:26PM
	No	nhalogenated	Organics	by EPA 80	15D - G	RO			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 A	nalyzed: 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 A	nalyzed: 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 A	nalyzed: 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			



QC Summary Data

		QU D	u 111 111	ary Data	•				
EOG Resources 104 South 4th Street		Project Name: Project Number:	1	Lucky Wolf 31 F 19034-0010	ed 2H				Reported:
Artesia NM, 88210		Project Manager:	(Greg Crabtree					4/22/2022 1:31:26PM
	No	nhalogenated O	Organics	s by EPA 801	5D - Gl	RO			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 (2217031-BLK1)							Prepared: 04	4/21/22 A	nalyzed: 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: 04	4/21/22 A	analyzed: 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: I	E 204111- (01	Prepared: 04	4/21/22 A	analyzed: 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: I	E 204111- (01	Prepared: 04	4/21/22 A	analyzed: 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			



QC Summary Data

		QC D	u I I I I I I	ary Data	e .				
EOG Resources 104 South 4th Street		Project Name: Project Number:	1	Lucky Wolf 31 F 19034-0010	Fed 2H				Reported:
Artesia NM, 88210		Project Manager:	(Greg Crabtree					4/22/2022 1:31:26PM
	Nonh	alogenated Org	anics by	y EPA 8015D	- 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 A	analyzed: 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 A	analyzed: 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: l	E204095-	12	Prepared: 0	4/20/22 A	analyzed: 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: l	E204095-	12	Prepared: 0	4/20/22 A	analyzed: 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			



QC Summary Data

			•	<i>J</i> – …					
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
		Anions	by EPA	300.0/9056	A Contraction				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 <i>I</i>	Analyzed: 04/20/22
Chloride	ND	20.0							
LCS (2217015-BS1)							Prepared: 0	4/20/22 A	Analyzed: 04/20/22
Chloride	245	20.0	250		98.1	90-110			
Matrix Spike (2217015-MS1)				Source:	E204095-0)1	Prepared: 0	4/20/22 A	Analyzed: 04/20/22
Chloride	381	200	250	ND	152	80-120			M6
Matrix Spike Dup (2217015-MSD1)				Source:	E204095-0)1	Prepared: 0	4/20/22 A	Analyzed: 04/20/22
Chloride	384	200	250	ND	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.



	Demitions		
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	04/22/22 13:31
	104 South 4th Street	EOG ResourcesProject Name:104 South 4th StreetProject Number:	104 South 4th StreetProject Number:19034-0010

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.



Re	Project	Information
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Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID					Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	CO 910.1 Table	ŝ						Rem	arks	
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Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	EOG Resources	Date Received:	04/20/22 06	:30	Work Order ID: E204095
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	f Custody (COC)				
1. Does t	the sample ID match the COC?		Yes		
2. Does t	the number of samples per sampling site location mate	ch the COC	Yes		
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: C	Courier
4. Was th	ne COC complete, i.e., signatures, dates/times, request	ted analyses?	Yes		
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		Yes		Comments/Resolution
Sample '	<u> Turn Around Time (TAT)</u>				
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes		Project has been seperated into 2 reports
Sample	Cooler				due to amount of samples. Workorders 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, E204096
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes		~ -
10. Were	custody/security seals present?		No		COC pages 3,4 & 5 of 5.
11. If yes	s, were custody/security seals intact?		NA		
12. Was th	he sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling		Yes		
13. If no	visible ice, record the temperature. Actual sample t	temperature: 4°	C		
	Container	· _	_		
-	aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA		
	e head space less than 6-8 mm (pea sized or less)?		NA		
17. Was :	a trip blank (TB) included for VOC analyses?		NA		
	non-VOC samples collected in the correct containers?		Yes		
19. Is the	appropriate volume/weight or number of sample contained	ers collected?	Yes		
Field La	bel				
20. Were	field sample labels filled out with the minimum infor	mation:			
	Sample ID?		Yes		
	Date/Time Collected?		Yes	1	
	Collectors name? Preservation		Yes		
	<u>Preservation</u> the COC or field labels indicate the samples were pre	eserved?	No		
	sample(s) correctly preserved?		NA		
	b filteration required and/or requested for dissolved mo	etals?	No		
	ase Sample Matrix				
	the sample have more than one phase, i.e., multiphas	e?	No		
	s, does the COC specify which phase(s) is to be analyzed		NA		
•	ract Laboratory		11/1		
	samples required to get sent to a subcontract laborator	v?	No		
	a subcontract laboratory specified by the client and if			Subcontract Lab)' na
->	a successful and successful of specified of the cheft and h		- • · · · ·	abcontract Lau	

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



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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

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 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

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

Envirotech Web Address: www.envirotech-inc.com



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*		Sample Sum	mary		
EOG Resources		Project Name:	Lucky Wolf 31 Fee	leral #2H	Reported:
104 South 4th Street		Project Number:	19034-0005		Reporteu.
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.



	D.	ampic D	ata			
EOG Resources 104 South 4th Street Artesia NM, 88210	Project Name: Project Numb Project Manag	er: 1903	ky Wolf 31 Fede: 34-0005 g Crabtree	ral #2H		Reported: 6/3/2022 3:43:40PM
		CS-79				
		E205149-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
Foluene	ND	0.0313	1	06/02/22	06/02/22	
p-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	st: 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	st: JL		Batch: 2223044
Diesel Range Organics (C10-C28)	ND	25.0	1	06/02/22	06/03/22	
Dil 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	st: KL		Batch: 2223035
Chloride	591	40.0	2	06/02/22	06/03/22	

Sample Data



QC Summary Data

	Project Name:	Lı	ucky Wolf 31	Federal #2	Н			D (1				
								Reported:				
	Project Number:	19	034-0005					•				
	Project Manager:	G	reg Crabtree					6/3/2022 3:43:40PM				
Volatile Organics by EPA 8021B												
	Reporting	Spike	Source		Rec		RPD					
Result	Limit	Level	Result	Rec	Limits	RPD	Limit					
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes				
						Prepared: 0	6/02/22 A	analyzed: 06/03/22				
ND	0.0313											
ND	0.0313											
ND	0.0313											
ND	0.0313											
ND	0.0625											
ND	0.0313											
9.41		10.0		94.1	70-130							
						Prepared: 0	6/02/22 A	analyzed: 06/03/22				
6.24	0.0313	6.25		99.8	70-130							
6.59	0.0313	6.25		105	70-130							
6.89	0.0313	6.25		110	70-130							
6.54	0.0313	6.25		105	70-130							
13.4	0.0625	12.5		107	70-130							
19.9	0.0313	18.8		106	70-130							
9.44		10.0		94.4	70-130							
			Source:	E205149-0	01	Prepared: 0	6/02/22 A	analyzed: 06/03/22				
6.55	0.0313	6.25	ND	105	54-133							
6.86	0.0313	6.25	ND	110	61-133							
7.19	0.0313	6.25	ND	115	61-130							
6.81	0.0313	6.25	ND	109	63-131							
14.0	0.0625	12.5	ND	112	63-131							
20.8	0.0313	18.8	ND	111	63-131							
9.09		10.0		90.9	70-130							
			Source:	E205149-0	01	Prepared: 0	6/02/22 A	nalyzed: 06/03/22				
6.77	0.0313	6.25	ND	108	54-133	3.39	20					
7.12	0.0313	6.25	ND	114	61-133	3.78	20					
7.46	0.0313	6.25	ND	119	61-130	3.59	20					
7.04	0.0313	6.25	ND	113	63-131	3.38	20					
14.5	0.0625	12.5	ND	116	63-131	3.45	20					
21.5	0.0313	18.8	ND	115	63-131	3.43	20					
	mg/kg ND ND ND ND ND 9.41 6.24 6.59 6.89 6.54 13.4 19.9 9.44 6.55 6.86 7.19 6.81 14.0 20.8 9.09 6.77 7.12 7.46 7.04 14.5	Result mg/kg Reporting Limit mg/kg ND 0.0313 Sevent 0.0313 9.41 0.0625 ND 0.0313 6.54 0.0313 6.54 0.0313 9.44 0.0625 0.0 0.0313 9.44 0.0625 0.0 0.0313 6.81 0.0313 14.0 0.0625 0.0 0.0313 9.09 0.0313 6.77 0.0313 7.12 0.0313 7.46 0.0313 14.5 0.0625	Result mg/kg Reporting Limit mg/kg Spike Level mg/kg ND 0.0313 mg/kg 0.0313 ND 0.0313 ND 0.0313 6.25 ND 0.0313 6.25 6.59 0.0313 6.25 6.54 0.0313 6.25 13.4 0.0625 12.5 19.9 0.0313 6.25 6.86 0.0313 6.25 6.86 0.0313 6.25 7.19 0.0313 6.25 6.81 0.0313 6.25 14.0 0.0625 12.5 20.8 0.0313 18.8 9.09 10.0 10.0 6.77 0.0313 6.25 7.46 0.0313 6.25 <t< td=""><td>Result mg/kg Reporting Limit mg/kg Spike Level mg/kg Source Result mg/kg ND 0.0313 mg/kg mg/kg 0.0313 ND 0.0313 mg/kg 6.24 0.0313 6.25 6.59 0.0313 6.25 6.54 0.0313 9.41 10.0 10.0 10.0 6.24 0.0313 6.25 12.5 13.4 0.0625 12.5 19.9 0.0313 6.25 ND 7.19 0.0313 6.25 ND 6.86 0.0313 6.25 ND 7.19 0.0313 6.25 ND 9.09 10.0 10.0 10.0 9.09 10.0 10.0 10.0 9.09 10.0 <td< td=""><td>Result mg/kg Reporting Limit mg/kg Spike Level mg/kg Source Result mg/kg Rec ND 0.0313 ND mg/kg mg/kg % ND 0.0313 ND mg/kg mg/kg % ND 0.0313 ND 0.0313 ND 9.41 10.0 94.1 6.24 0.0313 6.25 99.8 6.59 0.0313 6.25 105 6.89 0.0313 6.25 105 6.44 0.0313 6.25 105 6.44 0.0313 6.25 105 6.44 0.0313 6.25 105 13.4 0.0625 12.5 107 19.9 0.0313 18.8 106 9.44 10.0 94.4 100 9.41 10.0 94.4 105 6.55 0.0313 6.25 ND 105 6.48 0.0313 6.25 ND 110 7.19 0.0313</td><td>Result mg/kg Reporting Limit mg/kg Spike mg/kg Source Result mg/kg Rec % Rec Limits % ND 0.0313 mg/kg % % ND 0.0313 % % % ND 0.0313 % % % ND 0.0313 % % % % 0.0313 % % % 9.41 10.0 94.1 70-130 6.24 0.0313 6.25 105 70-130 6.59 0.0313 6.25 105 70-130 6.59 0.0313 6.25 107 70-130 6.54 0.0313 6.25 107 70-130 9.44 10.0 94.4 70-130 9.44 10.0 94.4 70-130 9.44 10.0 94.4 70-130 9.44 10.0 90.9 70-130 14.0 0.0625 12.5 ND 110 61-133 1</td><td>Result Reporting Limit Spike Level Source Result Rec Mg/kg Rec % Reb % RPD mg/kg mg/kg mg/kg % % % % ND 0.0313 mg/kg % % % % ND 0.0313 ND 0.0313 Prepared: 0 ND 0.0313 ND 0.0625 Prepared: 0 9.41 10.0 94.1 70-130 9.41 10.0 94.1 70-130 6.59 0.0313 6.25 105 70-130 6.59 0.0313 6.25 105 70-130 6.54 0.0313 6.25 107 70-130 9.44 10.0 94.4 70-130 9.44 10.0 94.4 70-130 9.44 10.0 94.4 70-130 9.44 10.0 94.4 70-130 9.49 0.0313 6.25 ND 110 61-133</td><td>Result Reporting Limit Spike Level Source Result Rec Result Rec Limits RPD % RPD % Limit % mg/kg mg/kg mg/kg % % % % % ND 0.0313 mg/kg % % % % % ND 0.0313 ND 0.0313 ND 0.0313 ND 0.0313 ND 0.0313 ND 0.0625 ND 0.0625 ND 0.0625 ND 0.0313 6.25 99.8 70-130 Prepared: 06/02/22 A 6.24 0.0313 6.25 105 70-130 A A 6.59 0.0313 6.25 105 70-130 A A 6.40 0.0313 6.25 105 70-130 A</td></td<></td></t<>	Result mg/kg Reporting Limit mg/kg Spike Level mg/kg Source Result mg/kg ND 0.0313 mg/kg mg/kg 0.0313 ND 0.0313 mg/kg 6.24 0.0313 6.25 6.59 0.0313 6.25 6.54 0.0313 9.41 10.0 10.0 10.0 6.24 0.0313 6.25 12.5 13.4 0.0625 12.5 19.9 0.0313 6.25 ND 7.19 0.0313 6.25 ND 6.86 0.0313 6.25 ND 7.19 0.0313 6.25 ND 9.09 10.0 10.0 10.0 9.09 10.0 10.0 10.0 9.09 10.0 <td< td=""><td>Result mg/kg Reporting Limit mg/kg Spike Level mg/kg Source Result mg/kg Rec ND 0.0313 ND mg/kg mg/kg % ND 0.0313 ND mg/kg mg/kg % ND 0.0313 ND 0.0313 ND 9.41 10.0 94.1 6.24 0.0313 6.25 99.8 6.59 0.0313 6.25 105 6.89 0.0313 6.25 105 6.44 0.0313 6.25 105 6.44 0.0313 6.25 105 6.44 0.0313 6.25 105 13.4 0.0625 12.5 107 19.9 0.0313 18.8 106 9.44 10.0 94.4 100 9.41 10.0 94.4 105 6.55 0.0313 6.25 ND 105 6.48 0.0313 6.25 ND 110 7.19 0.0313</td><td>Result mg/kg Reporting Limit mg/kg Spike mg/kg Source Result mg/kg Rec % Rec Limits % ND 0.0313 mg/kg % % ND 0.0313 % % % ND 0.0313 % % % ND 0.0313 % % % % 0.0313 % % % 9.41 10.0 94.1 70-130 6.24 0.0313 6.25 105 70-130 6.59 0.0313 6.25 105 70-130 6.59 0.0313 6.25 107 70-130 6.54 0.0313 6.25 107 70-130 9.44 10.0 94.4 70-130 9.44 10.0 94.4 70-130 9.44 10.0 94.4 70-130 9.44 10.0 90.9 70-130 14.0 0.0625 12.5 ND 110 61-133 1</td><td>Result Reporting Limit Spike Level Source Result Rec Mg/kg Rec % Reb % RPD mg/kg mg/kg mg/kg % % % % ND 0.0313 mg/kg % % % % ND 0.0313 ND 0.0313 Prepared: 0 ND 0.0313 ND 0.0625 Prepared: 0 9.41 10.0 94.1 70-130 9.41 10.0 94.1 70-130 6.59 0.0313 6.25 105 70-130 6.59 0.0313 6.25 105 70-130 6.54 0.0313 6.25 107 70-130 9.44 10.0 94.4 70-130 9.44 10.0 94.4 70-130 9.44 10.0 94.4 70-130 9.44 10.0 94.4 70-130 9.49 0.0313 6.25 ND 110 61-133</td><td>Result Reporting Limit Spike Level Source Result Rec Result Rec Limits RPD % RPD % Limit % mg/kg mg/kg mg/kg % % % % % ND 0.0313 mg/kg % % % % % ND 0.0313 ND 0.0313 ND 0.0313 ND 0.0313 ND 0.0313 ND 0.0625 ND 0.0625 ND 0.0625 ND 0.0313 6.25 99.8 70-130 Prepared: 06/02/22 A 6.24 0.0313 6.25 105 70-130 A A 6.59 0.0313 6.25 105 70-130 A A 6.40 0.0313 6.25 105 70-130 A</td></td<>	Result mg/kg Reporting Limit mg/kg Spike Level mg/kg Source Result mg/kg Rec ND 0.0313 ND mg/kg mg/kg % ND 0.0313 ND mg/kg mg/kg % ND 0.0313 ND 0.0313 ND 9.41 10.0 94.1 6.24 0.0313 6.25 99.8 6.59 0.0313 6.25 105 6.89 0.0313 6.25 105 6.44 0.0313 6.25 105 6.44 0.0313 6.25 105 6.44 0.0313 6.25 105 13.4 0.0625 12.5 107 19.9 0.0313 18.8 106 9.44 10.0 94.4 100 9.41 10.0 94.4 105 6.55 0.0313 6.25 ND 105 6.48 0.0313 6.25 ND 110 7.19 0.0313	Result mg/kg Reporting Limit mg/kg Spike mg/kg Source Result mg/kg Rec % Rec Limits % ND 0.0313 mg/kg % % ND 0.0313 % % % ND 0.0313 % % % ND 0.0313 % % % % 0.0313 % % % 9.41 10.0 94.1 70-130 6.24 0.0313 6.25 105 70-130 6.59 0.0313 6.25 105 70-130 6.59 0.0313 6.25 107 70-130 6.54 0.0313 6.25 107 70-130 9.44 10.0 94.4 70-130 9.44 10.0 94.4 70-130 9.44 10.0 94.4 70-130 9.44 10.0 90.9 70-130 14.0 0.0625 12.5 ND 110 61-133 1	Result Reporting Limit Spike Level Source Result Rec Mg/kg Rec % Reb % RPD mg/kg mg/kg mg/kg % % % % ND 0.0313 mg/kg % % % % ND 0.0313 ND 0.0313 Prepared: 0 ND 0.0313 ND 0.0625 Prepared: 0 9.41 10.0 94.1 70-130 9.41 10.0 94.1 70-130 6.59 0.0313 6.25 105 70-130 6.59 0.0313 6.25 105 70-130 6.54 0.0313 6.25 107 70-130 9.44 10.0 94.4 70-130 9.44 10.0 94.4 70-130 9.44 10.0 94.4 70-130 9.44 10.0 94.4 70-130 9.49 0.0313 6.25 ND 110 61-133	Result Reporting Limit Spike Level Source Result Rec Result Rec Limits RPD % RPD % Limit % mg/kg mg/kg mg/kg % % % % % ND 0.0313 mg/kg % % % % % ND 0.0313 ND 0.0313 ND 0.0313 ND 0.0313 ND 0.0313 ND 0.0625 ND 0.0625 ND 0.0625 ND 0.0313 6.25 99.8 70-130 Prepared: 06/02/22 A 6.24 0.0313 6.25 105 70-130 A A 6.59 0.0313 6.25 105 70-130 A A 6.40 0.0313 6.25 105 70-130 A				



QC Summary Data

		QU D	u 111111	ary Date					
EOG Resources 104 South 4th Street		Project Name: Project Number:		Lucky Wolf 31 F 19034-0005	ederal #2	Η			Reported:
Artesia NM, 88210		Project Manager:	(Greg Crabtree					6/3/2022 3:43:40PM
	No	nhalogenated O	Organics	s by EPA 801	5D - Gl	RO			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 (2223031-BLK1)							Prepared: 0	6/02/22 A	analyzed: 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 A	analyzed: 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: l	E205149-	01	Prepared: 0	6/02/22 A	analyzed: 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: l	E 205149 -	01	Prepared: 0	6/02/22 A	nalyzed: 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			

QC Summary Data

		QC D	u 111111	lary Data	L				
EOG Resources 104 South 4th Street Artesia NM, 88210		Project Name: Project Number: Project Manager:		Lucky Wolf 31 F 19034-0005 Greg Crabtree	ederal #2	Н			Reported: 6/3/2022 3:43:40PM
	Nonha	alogenated Orga		-	- DRO	/ORO			Analyst: JL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	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: I	E 205148 -	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: I	E205148-	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			



QC Summary Data

			•						
EOG Resources 104 South 4th Street		Project Name: Project Number:		Lucky Wolf 31	Federal #2	Н			Reported:
Artesia NM, 88210		Project Manager		Greg Crabtree					6/3/2022 3:43:40PM
		Anions	by EPA	300.0/9056 A	N				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	analyzed: 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	analyzed: 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.



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
	104 South 4th Street	104 South 4th StreetProject Number:	104 South 4th StreetProject Number:19034-0005

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
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Release	roject In	formation								CI	hain of	Custody														Page _	of
Imagi P	lient: roject: roject N ddress:	Lucky a	م کر رہر Greg Cra	ibtree		f	Atten Addre			Bill To			Lab E ć				se Or Job 190 Analy	Num	600		1D	2D	T/ 3D		andard ×	EPA CW/	Program SDW/
	ity, State hone:	Garcia B. Ha	ll G. Crab	tree T. Kr	night		<u>Phon</u> Email	ie:					0 by 8015	GRO/DRO by 8015	8021	\$260		-	Semi-Volitiles 8270							State	<u></u> X
,	Time Sampled	Date Sampled	Matrix	No. of Containers	Sample 1))						Lab Number	DRO/ORO by	GRO/DR	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Semi-Vo	Ð	PCB's					Remar	ks
3 1	ว์:0 8	5726/6022	5	Z	٢s	-79							×	×	×	 		X		-	-	_		_			
1															-												
_																											
																			_								
			-																								
	ddition	al Instruction																									
i,	(field samp	ler), attest to the	validity and					ampering		tentionally mis	-	he sample lo	cation),											on ice the day subsequent c	-	pled or receive
	elinquishe	ed by: (Signature	e)	Date	-	Time Time Time	R A	Received		aturel	tu.	Date 5/27/ Date	22	Time Ja Time	:5	7	Rece	ived	on i	ce:	يل لا	ab Us // N	e On	ly -			
R	elinquishe	ed by: (Signature	e)	Date		Time	R	Received	by: (Signa	ature)		Date		Time			<u>T1</u> AVG	Tem	p °C	L	<u>T2</u>	<u></u>			<u>T3</u>	i di senerali di seconda di second Seconda di seconda di s Seconda di seconda di s	
N	ote: Samp	ix: S - Soil, Sd - So bles are discard applicable only	ed 30 days	after result	s are report	ted unless ot					lous sam		retur	ned to	o clien	p - po t or di	oly/pla spose	astic, d of a	ag - i	ambe				port f	or the ana	lysis of the	above
										Pa	ge 11 (of 12															

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Client:	EOG Resources	Date Received:	05/27/22 1	2:57	Work Order ID:	E205149
Phone:	(575) 748-4217	Date Logged In:	05/27/22 1	3:10	Logged In By:	Caitlin Christian
Email:	Γ	Due Date:	06/06/22 1	7:00 (5 day TAT)		
<u>Chain of</u>	Custody (COC)					
1. Does tl	he sample ID match the COC?		Yes			
2. Does the	he number of samples per sampling site location match	the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Isaac Garcia		
4. Was th	e COC complete, i.e., signatures, dates/times, requeste	d analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.		Yes		Commen	ts/Resolution
Sample 7	<u>Furn Around Time (TAT)</u>					
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	Cooler					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	, were custody/security seals intact?		NA			
12. Was th	e sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are r minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample te	mperature: 4°	С			
Sample (Container	· _	_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	trip blank (TB) included for VOC analyses?		NA			
18. Are n	on-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample container	rs collected?	Yes			
Field La	bel					
	field sample labels filled out with the minimum inform	nation:				
	ample ID?		Yes			
	Date/Time Collected? Collectors name?		Yes			
	Preservation		Yes			
_	the COC or field labels indicate the samples were pres	erved?	No			
	ample(s) correctly preserved?		NA			
	filteration required and/or requested for dissolved met	tals?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphase	9	No			
	, does the COC specify which phase(s) is to be analyze		NO			
			INA			
	<u>act Laboratory</u> amples required to get sent to a subcontract laboratory	0	N			
	amples required to get sent to a subcontract laboratory	4	No			
	u subcontract laboratory specified by the client and if s		NA	Subcontract Lab: na		

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



envirotech Inc.

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District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

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

CONDITIONS

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)
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CONDITIONS

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

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Action 134519