Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NRM2035039644
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☑ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☑ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☑ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☑ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Chase Settle Title: Rep Safety and Environmental Sr

Signature: Chase Settle Date: 10/04/2021

email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: Robert Hamlet Date: 2/28/2022

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

Closure Approved by: Robert Hamlet Date: 2/28/2022

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

EOG Resources, Inc.
Artesia Division Office
104 S. 4th Street
Artesia, N. M. 88210

October 4, 2021

NMOCD District II
811 S. First St.
Artesia, NM 88210

Re: Goat Roper LP #1
30-015-23059
P-30-17S-26E
Eddy County, NM
Incident #NRM2035039644

EOG Resources, Inc. is submitting the enclosed Closure Report for the above referenced site. The report is being submitted in reference to the C-141 initial submitted on December 3, 2020. EOG Resources, Inc. has included a C-141 Final in this Closure Report, and hereby requests closure.

If you have any questions, feel free to call me at (575) 748-1471.

Respectfully,

Chase Settle
Rep Safety & Environmental Sr
EOG Resources, Inc.

Goat Roper LP #1

Closure Report

30-015-23059

P-30-17S-26E

Eddy County, NM

October 4, 2021

NRM2035039644

Table of Contents

Tables:

Figures:

Photos

Appendices:

I. Location

From the intersection of Fairgrounds Road and 13th Street, head west on Fairgrounds Road for 0.5 mile, then turn north on the lease road to the location.

II. Background

During a site inspection, EOG personnel discovered a release from the condensate tank. EOG drained and removed the tank once discovered, then began excavating the impacted soils stockpiling the excavated soil within a lined, bermed holding cell. Initial sampling was conducted on January 7, 2021, with a notification sent to NMOCD on December 31, 2020. After removing the impacted soil to a depth of 25 feet below grade surface (bgs), EOG submitted a sampling notification to NMOCD on January 11, 2021, for sampling activities that occurred on January 13, 2021. Confirmation samples, vertical and horizontal, were collected at this event to verify that all impacted soil had been excavated. Approximately 200 cubic yards of impacted soil was stockpiled in the lined and bermed treatment cell on location.

Stockpiled soils, approximately 200 cubic yards, were treated with a microbial product (Liquid Remediact) to begin the bioremediation process. The bioremediation product was administered to the stockpiled material on February 1, 2021. This consisted of mixing 20 gallons of the product with 200 gallons of water and applying the mixture to the soil within the lined and bermed treatment cell. The impacted material is in approximately an 8 inch to 1 foot lift. In order to create greater contact with the mixture, the soil was turned immediately following application. Based on the treatment date, EOG performed the first confirmation sampling of the bioremediated soil on March 15, 2021. 5 point composite samples were collected with 1 sample representative of 25 cubic yards of soil. The treated soil had yet to reach guidelines for NMAC 19.15.29.13, therefore another treatment with Liquid Remediact was completed July 23, 2021, after approval of the Remediation Plan by NMOCD, following the same protocols as previously used.

III. NMOCD Assessment Criteria

Based on information from the New Mexico Office of the State Engineer (NMOSE) regarding this location (Section 30, T17S-R26E), the closest wells within a half mile of the release site with data from the last 20 years have groundwater depths of 130 to 200 feet bgs. Watercourses in the area are dry except for infrequent flows in response to major precipitation events, with the nearest body of significant surface water being the Pecos River at 5.25 miles away. The site is not within a High or Critical Karst area, nor within a 100 year flood plain according to FEMA.

Depth to ground water	> 100'
Wellhead Protection Area	> 1000'
Distance to surface water body	> 1000'

The Table 1 requirements are as follows:

Benzene	10 mg/kg
BTEX	50 mg/kg
TPH	2,500 mg/kg
GRO + DRO	1,000 mg/kg
Chlorides	20,000 mg/kg

IV. Scope of Work Completed

Stockpiled soils received the second treatment of Liquid Remediact then were turned bi-weekly, however due to the number of precipitation events that occurred between the second treatment and final confirmation date, no additional application of water was required to rehydrate the microbes.

On September 14, 2021, GHD Services Inc. mobilized to the site to perform confirmation sampling of the bioremediated soils within the treatment cell, notification of this sampling event was provided to NMOCD through email on September 9, 2021. Confirmation sampling followed the protocol approved by NMOCD in the Remediation Plan, one 5-point composite sample collected per 25 cubic yards of bioremediated soil. GHD created a sampling summary document that is included as Appendix C.

Results of the confirmation sampling event conducted by GHD indicated that all soils had met the most stringent criteria of Table 1, and therefore also met the reclamation guidance of NMAC 19.15.29.13. There were only 2 samples with detectable values for any constituents, both being for DRO, and both being well below the 100 mg/kg requirement of the most stringent DRO threshold of Table 1.

After reviewing the results, EOG hired a dirt contractor to backfill the excavation, providing guidance to remove all liner material prior to installing the bioremediated soil into the excavation. The process began on October 1, 2021, but due to precipitation could not be completed until October 4, 2021.

Based on the analytical results and backfill of the bioremediated soils, EOG Resources, Inc. requests Closure of nRM2035039644, the C-141 Closure Form is included with this Closure Report as Appendix D.

Table 1
Soil Analytical Data

Goat Roper LP #1
Closure Report
#NRM2035039644

eog resources

October 4, 2021

Soil Analytical Data

Sample ID	Depth (ft. bgs)	Date	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH (GRO)	TPH (DRO)	TPH EXT DRO	Total TPH	Chlorides
V1-20'	20	1/7/21	ND	ND	ND	2.6	2.6	290	2600	ND	2890	ND
V1-25'	25	1/7/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
V1C-25'	25	1/13/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HS 0-13'	0-13	1/13/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HS 13-25'	13-25	1/13/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HN 0-13'	0-13	1/13/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	170
HN 13-25'	13-25	1/13/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HE 0-13'	0-13	1/13/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	160
HE 13-25'	13-25	1/13/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HW 0-13'	0-13	1/13/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	95
HW 13-25'	13-25	1/13/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Confirmation Results												
C1	<1	3/15/21	ND	ND	ND	ND	ND	120	1200	ND	1320	63
C2	<1	3/15/21	ND	ND	ND	ND	ND	ND	300	ND	300	100
C3	<1	3/15/21	ND	ND	ND	ND	ND	5.7	110	ND	115.7	150
C4	<1	3/15/21	ND	ND	ND	ND	ND	37	850	ND	887	62
C5	<1	3/15/21	ND	ND	ND	ND	ND	89	660	ND	749	66
C6	<1	3/15/21	ND	ND	ND	ND	ND	31	420	ND	451	94
C7	<1	3/15/21	ND	ND	ND	ND	ND	32	1200	ND	1232	66
C8	<1	3/15/21	ND	ND	ND	ND	ND	ND	300	ND	300	84
Final Confirmation Results												
C1-B	<1	9/14/21	ND	ND	ND	ND	ND	ND	13	ND	13	ND
C2-B	<1	9/14/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
C3-B	<1	9/14/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
C4-B	<1	9/14/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
C5-B	<1	9/14/21	ND	ND	ND	ND	ND	ND	14	ND	14	ND
C6-B	<1	9/14/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
C7-B	<1	9/14/21	ND	ND	ND	ND	ND	ND	35	ND	35	ND
C8-B	<1	9/14/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Figure 1
Site Map with Sample Points

Photos

Appendix A
Soil Sample Laboratory Data

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

September 23, 2021

Tom Larson
GHD Midland
2135 S Loop 250 W
Midland, TX 79703
TEL: (432) 686-0086
FAX

RE: Goat Roper LP 1 OrderNo.: 2109811

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 8 sample(s) on 9/16/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Goat Roper LP 1
Lab ID: 2109811-001 **Matrix:** SOIL

Client Sample ID: C1-B
Collection Date: 9/14/2021 8:00:00 AM
Received Date: 9/16/2021 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	9/21/2021 7:06:22 PM	62712
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	13	9.5		mg/Kg	1	9/17/2021 7:20:20 PM	62629
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/17/2021 7:20:20 PM	62629
Surr: DNOP	103	70-130		%Rec	1	9/17/2021 7:20:20 PM	62629
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/18/2021 1:35:03 AM	62628
Surr: BFB	105	70-130		%Rec	1	9/18/2021 1:35:03 AM	62628
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	9/18/2021 1:35:03 AM	62628
Toluene	ND	0.048		mg/Kg	1	9/18/2021 1:35:03 AM	62628
Ethylbenzene	ND	0.048		mg/Kg	1	9/18/2021 1:35:03 AM	62628
Xylenes, Total	ND	0.096		mg/Kg	1	9/18/2021 1:35:03 AM	62628
Surr: 4-Bromofluorobenzene	90.7	70-130		%Rec	1	9/18/2021 1:35:03 AM	62628

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Goat Roper LP 1
Lab ID: 2109811-002 **Matrix:** SOIL

Client Sample ID: C2-B
Collection Date: 9/14/2021 8:10:00 AM
Received Date: 9/16/2021 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	61		mg/Kg	20	9/21/2021 7:43:37 PM	62712
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/17/2021 7:30:10 PM	62629
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/17/2021 7:30:10 PM	62629
Surr: DNOP	87.8	70-130		%Rec	1	9/17/2021 7:30:10 PM	62629
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/18/2021 1:58:30 AM	62628
Surr: BFB	108	70-130		%Rec	1	9/18/2021 1:58:30 AM	62628
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	9/18/2021 1:58:30 AM	62628
Toluene	ND	0.049		mg/Kg	1	9/18/2021 1:58:30 AM	62628
Ethylbenzene	ND	0.049		mg/Kg	1	9/18/2021 1:58:30 AM	62628
Xylenes, Total	ND	0.098		mg/Kg	1	9/18/2021 1:58:30 AM	62628
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	9/18/2021 1:58:30 AM	62628

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

Qualifiers:

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

Analytical Report
Lab Order **2109811**
Date Reported: **9/23/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Goat Roper LP 1
Lab ID: 2109811-003 **Matrix:** SOIL

Client Sample ID: C3-B
Collection Date: 9/14/2021 8:15:00 AM
Received Date: 9/16/2021 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	9/21/2021 8:45:41 PM	62712
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/17/2021 7:40:01 PM	62629
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/17/2021 7:40:01 PM	62629
Surr: DNOP	101	70-130		%Rec	1	9/17/2021 7:40:01 PM	62629
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/18/2021 2:21:59 AM	62628
Surr: BFB	106	70-130		%Rec	1	9/18/2021 2:21:59 AM	62628
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	9/18/2021 2:21:59 AM	62628
Toluene	ND	0.047		mg/Kg	1	9/18/2021 2:21:59 AM	62628
Ethylbenzene	ND	0.047		mg/Kg	1	9/18/2021 2:21:59 AM	62628
Xylenes, Total	ND	0.095		mg/Kg	1	9/18/2021 2:21:59 AM	62628
Surr: 4-Bromofluorobenzene	92.1	70-130		%Rec	1	9/18/2021 2:21:59 AM	62628

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Goat Roper LP 1
Lab ID: 2109811-004 **Matrix:** SOIL

Client Sample ID: C4-B
Collection Date: 9/14/2021 8:20:00 AM
Received Date: 9/16/2021 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	61		mg/Kg	20	9/21/2021 8:58:06 PM	62712
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	9/17/2021 7:49:55 PM	62629
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/17/2021 7:49:55 PM	62629
Surr: DNOP	100	70-130		%Rec	1	9/17/2021 7:49:55 PM	62629
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/18/2021 3:56:04 AM	62628
Surr: BFB	103	70-130		%Rec	1	9/18/2021 3:56:04 AM	62628
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	9/18/2021 3:56:04 AM	62628
Toluene	ND	0.048		mg/Kg	1	9/18/2021 3:56:04 AM	62628
Ethylbenzene	ND	0.048		mg/Kg	1	9/18/2021 3:56:04 AM	62628
Xylenes, Total	ND	0.096		mg/Kg	1	9/18/2021 3:56:04 AM	62628
Surr: 4-Bromofluorobenzene	90.0	70-130		%Rec	1	9/18/2021 3:56:04 AM	62628

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Goat Roper LP 1
Lab ID: 2109811-005 **Matrix:** SOIL

Client Sample ID: C5-B
Collection Date: 9/14/2021 8:50:00 AM
Received Date: 9/16/2021 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	9/21/2021 9:10:31 PM	62712
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	14	9.8		mg/Kg	1	9/17/2021 7:59:47 PM	62629
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/17/2021 7:59:47 PM	62629
Surr: DNOP	98.3	70-130		%Rec	1	9/17/2021 7:59:47 PM	62629
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/18/2021 4:19:45 AM	62628
Surr: BFB	103	70-130		%Rec	1	9/18/2021 4:19:45 AM	62628
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	9/18/2021 4:19:45 AM	62628
Toluene	ND	0.049		mg/Kg	1	9/18/2021 4:19:45 AM	62628
Ethylbenzene	ND	0.049		mg/Kg	1	9/18/2021 4:19:45 AM	62628
Xylenes, Total	ND	0.097		mg/Kg	1	9/18/2021 4:19:45 AM	62628
Surr: 4-Bromofluorobenzene	90.0	70-130		%Rec	1	9/18/2021 4:19:45 AM	62628

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

Qualifiers:

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

Analytical Report
Lab Order **2109811**
Date Reported: **9/23/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Goat Roper LP 1
Lab ID: 2109811-006 **Matrix:** SOIL

Client Sample ID: C6-B
Collection Date: 9/14/2021 8:55:00 AM
Received Date: 9/16/2021 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	9/21/2021 9:22:57 PM	62712
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	9/17/2021 8:09:42 PM	62629
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/17/2021 8:09:42 PM	62629
Surr: DNOP	98.9	70-130		%Rec	1	9/17/2021 8:09:42 PM	62629
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/18/2021 4:43:22 AM	62628
Surr: BFB	107	70-130		%Rec	1	9/18/2021 4:43:22 AM	62628
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	9/18/2021 4:43:22 AM	62628
Toluene	ND	0.047		mg/Kg	1	9/18/2021 4:43:22 AM	62628
Ethylbenzene	ND	0.047		mg/Kg	1	9/18/2021 4:43:22 AM	62628
Xylenes, Total	ND	0.095		mg/Kg	1	9/18/2021 4:43:22 AM	62628
Surr: 4-Bromofluorobenzene	92.9	70-130		%Rec	1	9/18/2021 4:43:22 AM	62628

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Goat Roper LP 1
Lab ID: 2109811-007 **Matrix:** SOIL

Client Sample ID: C7-B
Collection Date: 9/14/2021 9:10:00 AM
Received Date: 9/16/2021 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	9/21/2021 9:35:21 PM	62712
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	35	9.5		mg/Kg	1	9/17/2021 8:19:37 PM	62629
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/17/2021 8:19:37 PM	62629
Surr: DNOP	96.5	70-130		%Rec	1	9/17/2021 8:19:37 PM	62629
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/18/2021 5:06:57 AM	62628
Surr: BFB	104	70-130		%Rec	1	9/18/2021 5:06:57 AM	62628
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	9/18/2021 5:06:57 AM	62628
Toluene	ND	0.048		mg/Kg	1	9/18/2021 5:06:57 AM	62628
Ethylbenzene	ND	0.048		mg/Kg	1	9/18/2021 5:06:57 AM	62628
Xylenes, Total	ND	0.097		mg/Kg	1	9/18/2021 5:06:57 AM	62628
Surr: 4-Bromofluorobenzene	89.4	70-130		%Rec	1	9/18/2021 5:06:57 AM	62628

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

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Goat Roper LP 1
Lab ID: 2109811-008 **Matrix:** SOIL

Client Sample ID: C8-B
Collection Date: 9/14/2021 9:15:00 AM
Received Date: 9/16/2021 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	9/21/2021 9:47:45 PM	62712
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/17/2021 8:29:34 PM	62629
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/17/2021 8:29:34 PM	62629
Surr: DNOP	92.0	70-130		%Rec	1	9/17/2021 8:29:34 PM	62629
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/18/2021 5:30:33 AM	62628
Surr: BFB	107	70-130		%Rec	1	9/18/2021 5:30:33 AM	62628
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	9/18/2021 5:30:33 AM	62628
Toluene	ND	0.050		mg/Kg	1	9/18/2021 5:30:33 AM	62628
Ethylbenzene	ND	0.050		mg/Kg	1	9/18/2021 5:30:33 AM	62628
Xylenes, Total	ND	0.10		mg/Kg	1	9/18/2021 5:30:33 AM	62628
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	1	9/18/2021 5:30:33 AM	62628

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109811**

23-Sep-21

Client: GHD Midland

Project: Goat Roper LP 1

Sample ID: **MB-62712**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **62712**	RunNo: **81415**							
Prep Date: **9/21/2021**	Analysis Date: **9/21/2021**	SeqNo: **2877567**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-62712**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **62712**	RunNo: **81415**							
Prep Date: **9/21/2021**	Analysis Date: **9/21/2021**	SeqNo: **2877568**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.0	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109811**

23-Sep-21

Client: GHD Midland

Project: Goat Roper LP 1

Sample ID: **MB-62629**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **62629**	RunNo: **81352**
Prep Date: **9/16/2021**	Analysis Date: **9/17/2021**	SeqNo: **2873417** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		106	70	130			

Sample ID: **LCS-62629**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **62629**	RunNo: **81352**
Prep Date: **9/16/2021**	Analysis Date: **9/17/2021**	SeqNo: **2873420** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.6	68.9	135			
Surr: DNOP	5.7		5.000		114	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109811**

23-Sep-21

Client: GHD Midland

Project: Goat Roper LP 1

Sample ID: **mb-62628**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **62628**	RunNo: **81363**
Prep Date: **9/16/2021**	Analysis Date: **9/18/2021**	SeqNo: **2874049** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		107	70	130			

Sample ID: **lcs-62628**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **62628**	RunNo: **81363**
Prep Date: **9/16/2021**	Analysis Date: **9/17/2021**	SeqNo: **2874050** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	116	78.6	131			
Surr: BFB	1200		1000		115	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109811**

23-Sep-21

Client: GHD Midland

Project: Goat Roper LP 1

Sample ID: **mb-62628**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **62628**	RunNo: **81363**
Prep Date: **9/16/2021**	Analysis Date: **9/18/2021**	SeqNo: **2874132** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		93.4	70	130			

Sample ID: **LCS-62628**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **62628**	RunNo: **81363**
Prep Date: **9/16/2021**	Analysis Date: **9/17/2021**	SeqNo: **2874133** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.2	80	120			
Toluene	0.99	0.050	1.000	0	98.9	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.9	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.1	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		92.8	70	130			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: GHD Midland | Work Order Number: 2109811 | RcptNo: 1

Received By: Kasandra Payan 9/16/2021 8:10:00 AM KPA

Completed By: Sean Livingston 9/16/2021 8:52:37 AM Sean Livingston

Reviewed By: JC 9/16/21

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: KPA 9/16/21

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.9	Good				
2	4.8	Good				

Chain-of-Custody Record

Client: GHD

Mailing Address: 324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

email or Fax#: Becky.Haskell@ghd.com

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush 5-day

Project Name: Goat Roper LP #1

Project #: 125.2026

Project Manager:
Becky Haskell
Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 2 KPR 9/16/21

Cooler Temp(including CF): 5.9+0=5.9 ~~6.3+0=~~ 4.8+0=4.8 ~~6.3~~

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2109811	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Mn(2) 300
9/14/21	0800	S	C1-B	Jar		001	X	X									X
	0810		C2-B			002											
	0815		C3-B			003											
	0820		C4-B			004											
	0850		C5-B			005											
	0855		C6-B			006											
	0910		C7-B			007											
	0915		C8-B			008											

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
			ACummings		9/15/21	1200
9/15/21	1900	ACummings		carrier	9/16/21	8:10

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

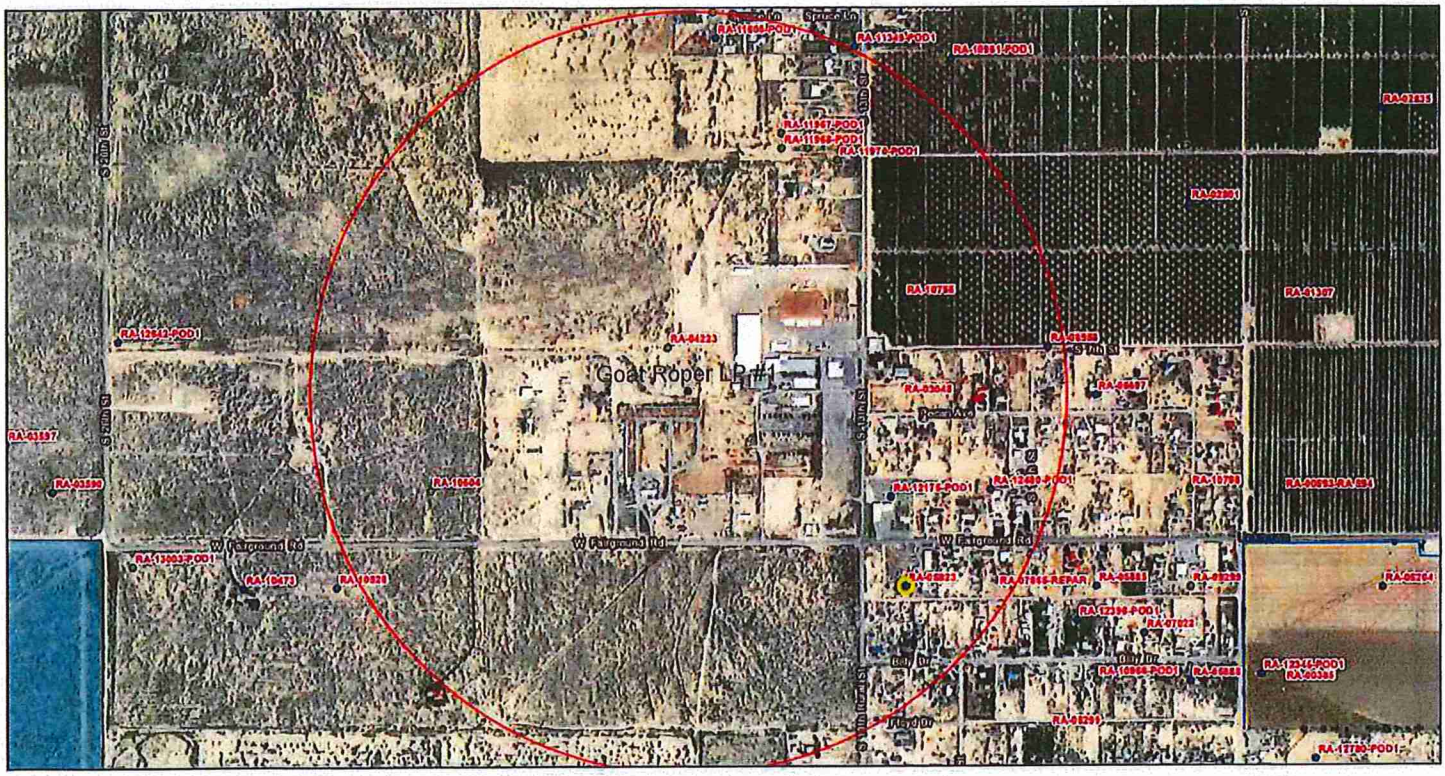
Analysis Request

Remarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com Matthew.Laughlin@ghd.com: Along with Becky Haskell listed above.
Direct Bill to EOG Chase Settle

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

Appendix B
NMOSE Groundwater Data

Publicly Generated Map



3/31/2021, 11:59:23 AM

GIS WATERS PODs
- Active
- Pending

OSE District Boundary

New Mexico State Trust Lands
- Both Estates

Conveyances
- Ditch
- SiteBoundaries

1:9,028

0 0.07 0.15 0.3 mi

0 0.15 0.3 0.6 km

USDA FSA, GeoEye, Maxar, Esri, HERE, IPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, IPC

OSE POD Locations

The New Mexico Office of the State Engineer (OSE) provides this geographic data and any associated metadata "as is" without warranty of any kind, including but not limited to its completeness, fitness for a particular use, or accuracy of its content, positional or otherwise. It is the sole responsibility of the user to

New Mexico Office of the State Engineer
Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	RA 11605 POD1	1	4	2	30	17S	26E	554681	3630208

Driller License: 1064 **Driller Company:** DELFORD W. MARTIN
Driller Name: MARTIN, DELFORD

Drill Start Date: 05/02/2010 **Drill Finish Date:** 05/05/2010 **Plug Date:**
Log File Date: 05/20/2010 **PCW Rcv Date:** **Source:** Shallow
Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 15 GPM
Casing Size: 5.00 **Depth Well:** 240 feet **Depth Water:** 148 feet

Water Bearing Stratifications:	Top	Bottom	Description
	148	240	Sandstone/Gravel/Conglomerate

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	RA 11349 POD1			2	30	17S	26E	554975	3630191

Driller License: 1400 **Driller Company:** SOUTHEAST DRILLING COMPANY

Driller Name: HAMMOND, MARK

Drill Start Date: 06/17/2008 **Drill Finish Date:** 06/23/2008 **Plug Date:**

Log File Date: 07/01/2008 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 20 GPM

Casing Size: 7.00 **Depth Well:** 240 feet **Depth Water:** 143 feet

Water Bearing Stratifications:	Top	Bottom	Description
	0	5	Other/Unknown
	5	25	Shale/Mudstone/Siltstone
	25	40	Sandstone/Gravel/Conglomerate
	40	90	Shale/Mudstone/Siltstone
	90	175	Shale/Mudstone/Siltstone
	175	230	Sandstone/Gravel/Conglomerate
	230	240	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	182	240

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	RA 10755	3	1	3	29	17S	26E	555081	3629663*

Driller License: 1448 **Driller Company:** KENNARD DRILLING

Driller Name: KENNARD, DALE

Drill Start Date: 05/17/2005 **Drill Finish Date:** 05/23/2005 **Plug Date:**

Log File Date: 06/02/2005 **PCW Rcv Date:** **Source:** Shallow

Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 30 GPM

Casing Size: 5.00 **Depth Well:** 287 feet **Depth Water:** 130 feet

Water Bearing Stratifications:	Top	Bottom	Description
	180	185	Limestone/Dolomite/Chalk
	195	205	Limestone/Dolomite/Chalk
	210	220	Limestone/Dolomite/Chalk
	265	287	Limestone/Dolomite/Chalk

Casing Perforations:	Top	Bottom
	207	287

*UTM location was derived from PLSS - see Help

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twsp	Rng	(NAD83 UTM in meters) X	Y
	RA 12175 POD1	3	3	3	29	17S	26E	555054	3629244

Driller License: 1632 **Driller Company:** HOPPER PUMP & DRILLING, INC.
Driller Name: CURRY, CALEB

Drill Start Date: 10/01/2014 **Drill Finish Date:** 10/08/2014 **Plug Date:**
Log File Date: 10/23/2014 **PCW Rcv Date:** **Source:** Shallow
Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 60 GPM
Casing Size: 5.00 **Depth Well:** 260 feet **Depth Water:** 200 feet

Water Bearing Stratifications:	Top	Bottom	Description
	200	220	Sandstone/Gravel/Conglomerate
	220	230	Sandstone/Gravel/Conglomerate
	230	260	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	200	260

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Tws	Rng	(NAD83 UTM in meters) X	Y
	RA 12480 POD1	4	3	3	29	17S	26E	555266	3629260

Driller License: 1632 **Driller Company:** HOPPER PUMP & DRILLING, INC.
Driller Name: CURRY, CALEB

Drill Start Date: 06/21/2017 **Drill Finish Date:** 06/23/2017 **Plug Date:**
Log File Date: 07/05/2017 **PCW Rcv Date:** **Source:** Shallow
Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 50 GPM
Casing Size: 5.00 **Depth Well:** 260 feet **Depth Water:** 142 feet

Water Bearing Stratifications:	Top	Bottom	Description
	60	190	Sandstone/Gravel/Conglomerate
	200	260	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	200	260

New Mexico Office of the State Engineer
Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) Q64	Q16	Q4	Sec	Twn	Rng	(NAD83 UTM in meters) X	Y
	RA 10528	1	2	1	31	17S	26E	553878	3629049*

Driller License: 1229 **Driller Company:** CARTER'S WELL DRILLING

Driller Name:

Drill Start Date:	06/25/2004	**Drill Finish Date:**	07/01/2004	**Plug Date:**	
Log File Date:	08/12/2004	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:	SUBMER	**Pipe Discharge Size:**		**Estimated Yield:**	30 GPM
Casing Size:	4.50	**Depth Well:**	331 feet	**Depth Water:**	150 feet

Water Bearing Stratifications:	Top	Bottom	Description
	185	210	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	100	331

*UTM location was derived from PLSS - see Help

Appendix C
GHD Soil Sampling Summary

Our ref: 12562026

September 30, 2021

Chase Settle
EOG Resources
105 S. 4th Street
Artesia, NM 88210

Goat Roper LP #1:
Stockpile Confirmation Sampling Summary

On September 14, 2021, GHD Services Inc., on behalf of EOG Resources, collected eight (8) composite samples within the lined stockpile at the site. Soil samples (C1-B through C8-B) were collected from surface to the top of the liner, approximately one (1) foot below the surface of the stockpile lifts. Soil samples were collected by GHD personnel utilizing clean/decontaminated equipment. Equipment was decontaminated between soil samples utilizing an environmental detergent (e.g., Alconox) and deionized water. Personnel wore nitrile gloves at all times, along with changing gloves between samples to avoid cross contamination. Soil samples collected were put into laboratory provided containers, logged on a laboratory chain of custody form, and placed on ice in an insulated cooler to maintain a temperature of approximately 40° F (4°- 6° C). GHD concluded work after all soil samples were sealed and taken to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico for analytical testing of BTEX by EPA method 8021B, TPH by Method 8015B Modified and Chloride by EPA Method 300 by Hall Environmental Analysis Laboratory in Albuquerque, New Mexico.

Please contact us at (432) 686-0086 if you require further information or clarification.

Sincerely,

GHD

Rebecca Haskell

Becky Haskell
Senior Project Manager

CC: Tom Larson / Zach Comino

Appendix D
Form C-141

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	NRM2035039644
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Chase Settle	Contact Telephone 575-748-1471
Contact email Chase_Settle@eogresources.com	Incident # *(assigned by OCD)* NRM2035039644
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.80201 Longitude -104.41693
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Goat Roper LP #1	Site Type Battery
Date Release Discovered 12/01/2020	API# *(if applicable)* 30-015-23059

Unit Letter	Section	Township	Range	County
P	30	17S	26E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Name:* _____)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☒ Condensate	Volume Released (bbls) 19	Volume Recovered (bbls) 0
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
A pinhole was discovered approximately 8 inches up from the bottom of the tank. The tank had previously been gauged so the lost volume was 16 inches of the tank capacity which calculates to 1.16 barrels per inch, making the total volume lost to be just under 19 barrels of condensate.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NRM2035039644
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

☒ 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: Chase Settle
Title: Rep Safety & Environmental II

Signature: Chase Settle
Date: 12/03/2020

email: Chase_Settle@eogresources.com
Telephone: 575-748-1471

OCD Only

Received by: _____
Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NRM2035039644
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?	130 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☑ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NRM2035039644
District RP	
Facility ID	
Application ID	

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr

Signature: Chase Settle Date: 3/29/2021

email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	NRM2035039644
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: Chase Settle
Title: Rep Safety & Environmental Sr

Signature: Chase Settle
Date: 3/29/2021

email: Chase_Settle@eogresources.com
Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NRM2035039644
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☑ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☑ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☑ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☑ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Chase Settle Title: Rep Safety and Environmental Sr

Signature: Chase Settle Date: 10/04/2021

email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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

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

CONDITIONS

Action 53912

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 53912
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NRM2035039644 GOAT ROPER LP #1, thank you. This closure is approved. Please be advised that bioremediation projects will need to be preapproved by the OCD and sampling of bioremediated soil will require a more stringent sampling protocol in the future.	2/28/2022