

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company EOG Y Resources, Inc.	OGRID Number 25575	Contact Robert Asher
Address 104 S. 4 th Street	Telephone No. 575-748-1471	
Facility Name Woodstock State Unit #1	Facility Type Battery	

Surface Owner State	Mineral Owner State	API No. 30-025-30700
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LOCATION OF RELEASE

Unit Letter P	Section 5	Township 9S	Range 33E	Feet from the 660	North/South Line South	Feet from the 540	East/West Line East	County Lea
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Latitude 33.55681 Longitude 103.58248

NATURE OF RELEASE

Type of Release Oil & Produced Water	Volume of Release 7 B/O & 2 B/PW	Volume Recovered 2 B/O & 0 B/PW
Source of Release Well head	Date and Hour of Occurrence 6/29/2017; PM	Date and Hour of Discovery 6/29/2017; PM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour N/A	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

APPROVED
By Olivia Yu at 10:13 am, Apr 19, 2018

If a Watercourse was Impacted, Describe Fully. *

Describe Cause of Problem and Remedial Action Taken. *
Packing on well head stuffing box failed, causing the release. Vacuum truck(s) and roustabout crews were called.

Describe Area Affected and Cleanup Action Taken. *
An approximate area of 60'X 25'. The well and valves were closed. Vacuum truck recovered remaining oil. The impacted soils were excavated and hauled to an NMOCD approved facility. Site check on 7/5/2017, further excavation needed to remove all impacted soils. Vertical and horizontal delineation samples were collected (7/18/2017) and analysis ran for TPH & BTEX (chlorides for documentation). **Depth to Ground Water: >100' (approximately 120', Section 3, T9S-R32E, per NMOSE), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0. Based on the volumes recovered, impacted soils excavated/removed and enclosed analytical data, EOG Y Resources requests closure.**

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: 	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Robert Asher	Approved by Environmental Specialist: 	
Title: Environmental Supervisor	Approval Date: 4/19/2018	Expiration Date: xx/xx/xxxx
E-mail Address: Robert_Asher@eogresources.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: March 26, 2018 Phone: 575-748-4217	1RP-	

* Attach Additional Sheets If Necessary

1RP-4777

Analytical Report- 1704493 (Hall)	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	Chlorides
SC-1.0	Release/Excavation/ Vertical Delineation	7/18/2017	Grab/Auger	12" (24" BSL)	ND	ND	23	45
SC-2.0	Release/Excavation/ Vertical Delineation	7/18/2017	Grab/Auger	24" (48" BSL)	ND	ND	ND	ND
SC-3.0	Release/Excavation/ Vertical Delineation	7/18/2017	Grab/Auger	36" (60" BSL)	ND	ND	ND	35
VW-1.0	Release/Excavation/ Horizontal Delineation	7/18/2017	Grab/Auger	12" (24" BSL)	ND	ND	ND	ND
VS-1.0	Release/Excavation/ Horizontal Delineation	7/18/2017	Grab/Auger	12" (24" BSL)	ND	ND	ND	ND
VN-1.0	Release/Excavation/ Horizontal Delineation	7/18/2017	Grab/Auger	12" (24" BSL)	ND	ND	ND	70
VE-1.0	Release/Excavation/ Horizontal Delineation	7/18/2017	Grab/Auger	12" (24" BSL)	ND	ND	ND	45

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 120', Section 3, T9S-R32E, per NMOSE).

All results are ppm. BSL - Below Surface Level

Released: 7 B/O & 2 B/PW; Recovered: 2 B/O & 0 B/PW. Release Date: 6/29/2017

Untitled Map

Write a description for your map.

Legend

Feature 1

SC-1.0; SC-2.0; SC-3.0

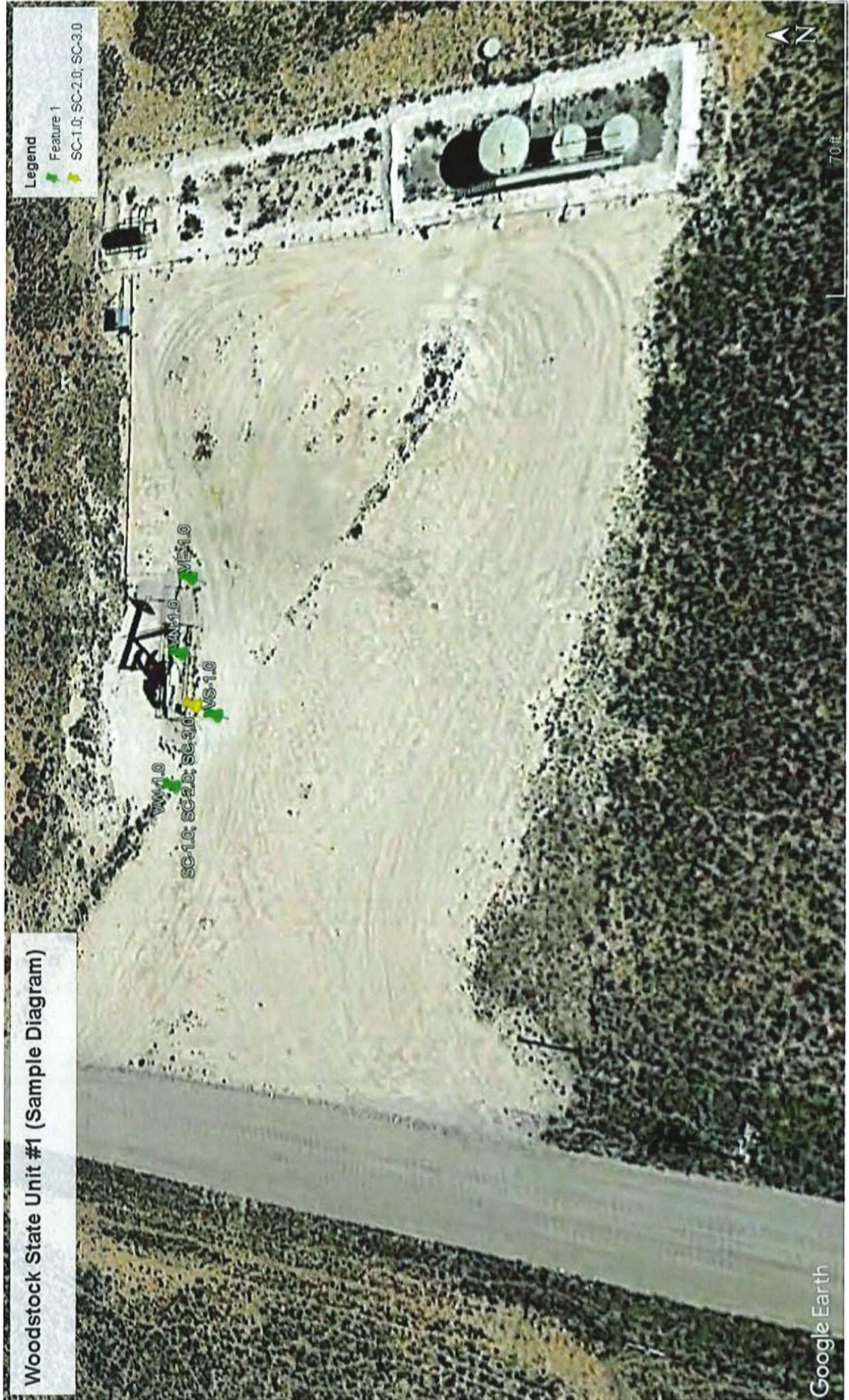
WOODSTOCK 11:33:46 AM



Woodstock State Unit #1 (Sample Diagram)

Legend

- Feature 1
- SC-1.0; SC-2.0; SC-3.0



Woodstock State Unit #1 (Sample Diagram)

Legend

- Feature 1
- SC-1.0; SC-2.0; SC-3.0





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

July 26, 2017

Robert Asher

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX

RE: Woodstock State Unit 1

OrderNo.: 1707A67

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 7 sample(s) on 7/20/2017 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 #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SC-1.0

Project: Woodstock State Unit 1

Collection Date: 7/18/2017 11:15:00 AM

Lab ID: 1707A67-001

Matrix: SOIL

Received Date: 7/20/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	23	9.8		mg/Kg	1	7/21/2017 6:23:20 PM	32926
Surr: DNOP	85.2	70-130		%Rec	1	7/21/2017 6:23:20 PM	32926
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/21/2017 3:20:19 PM	32925
Surr: BFB	84.3	54-150		%Rec	1	7/21/2017 3:20:19 PM	32925
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	7/21/2017 3:20:19 PM	32925
Toluene	ND	0.046		mg/Kg	1	7/21/2017 3:20:19 PM	32925
Ethylbenzene	ND	0.046		mg/Kg	1	7/21/2017 3:20:19 PM	32925
Xylenes, Total	ND	0.093		mg/Kg	1	7/21/2017 3:20:19 PM	32925
Surr: 4-Bromofluorobenzene	96.5	66.6-132		%Rec	1	7/21/2017 3:20:19 PM	32925

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 Quantitative Limit	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: SC-2.0
 Project: Woodstock State Unit 1 Collection Date: 7/18/2017 11:29:00 AM
 Lab ID: 1707A67-002 Matrix: SOIL Received Date: 7/20/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/21/2017 6:45:48 PM	32926
Surr: DNOP	81.2	70-130		%Rec	1	7/21/2017 6:45:48 PM	32926
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/21/2017 3:44:29 PM	32925
Surr: BFB	83.4	54-150		%Rec	1	7/21/2017 3:44:29 PM	32925
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/21/2017 3:44:29 PM	32925
Toluene	ND	0.048		mg/Kg	1	7/21/2017 3:44:29 PM	32925
Ethylbenzene	ND	0.048		mg/Kg	1	7/21/2017 3:44:29 PM	32925
Xylenes, Total	ND	0.097		mg/Kg	1	7/21/2017 3:44:29 PM	32925
Surr: 4-Bromofluorobenzene	94.5	66.6-132		%Rec	1	7/21/2017 3:44:29 PM	32925

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 Quantitative Limit	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SC-3.0

Project: Woodstock State Unit 1

Collection Date: 7/18/2017 11:35:00 AM

Lab ID: 1707A67-003

Matrix: SOIL

Received Date: 7/20/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/21/2017 7:08:39 PM	32926
Surr: DNOP	79.4	70-130		%Rec	1	7/21/2017 7:08:39 PM	32926
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/21/2017 4:08:45 PM	32925
Surr: BFB	75.4	54-150		%Rec	1	7/21/2017 4:08:45 PM	32925
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/21/2017 4:08:45 PM	32925
Toluene	ND	0.048		mg/Kg	1	7/21/2017 4:08:45 PM	32925
Ethylbenzene	ND	0.048		mg/Kg	1	7/21/2017 4:08:45 PM	32925
Xylenes, Total	ND	0.096		mg/Kg	1	7/21/2017 4:08:45 PM	32925
Surr: 4-Bromofluorobenzene	86.3	66.6-132		%Rec	1	7/21/2017 4:08:45 PM	32925

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 Quantitative Limit	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: VW-1.0

Project: Woodstock State Unit 1

Collection Date: 7/18/2017 11:41:00 AM

Lab ID: 1707A67-004

Matrix: SOIL

Received Date: 7/20/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/21/2017 7:31:05 PM	32926
Surr: DNOP	85.6	70-130		%Rec	1	7/21/2017 7:31:05 PM	32926
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/21/2017 4:33:05 PM	32925
Surr: BFB	84.3	54-150		%Rec	1	7/21/2017 4:33:05 PM	32925
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	7/21/2017 4:33:05 PM	32925
Toluene	ND	0.047		mg/Kg	1	7/21/2017 4:33:05 PM	32925
Ethylbenzene	ND	0.047		mg/Kg	1	7/21/2017 4:33:05 PM	32925
Xylenes, Total	ND	0.094		mg/Kg	1	7/21/2017 4:33:05 PM	32925
Surr: 4-Bromofluorobenzene	99.1	66.6-132		%Rec	1	7/21/2017 4:33:05 PM	32925

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 Quantitative Limit	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: VS-1.0
 Project: Woodstock State Unit 1 Collection Date: 7/18/2017 11:49:00 AM
 Lab ID: 1707A67-005 Matrix: SOIL Received Date: 7/20/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/21/2017 7:53:35 PM	32926
Surr: DNOP	79.9	70-130		%Rec	1	7/21/2017 7:53:35 PM	32926
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/21/2017 4:57:26 PM	32925
Surr: BFB	81.7	54-150		%Rec	1	7/21/2017 4:57:26 PM	32925
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/21/2017 4:57:26 PM	32925
Toluene	ND	0.049		mg/Kg	1	7/21/2017 4:57:26 PM	32925
Ethylbenzene	ND	0.049		mg/Kg	1	7/21/2017 4:57:26 PM	32925
Xylenes, Total	ND	0.099		mg/Kg	1	7/21/2017 4:57:26 PM	32925
Surr: 4-Bromofluorobenzene	94.4	66.6-132		%Rec	1	7/21/2017 4:57:26 PM	32925

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 Quantitative Limit	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Analytical Report

Lab Order 1707A67

Date Reported: 7/26/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: VN-1.0

Project: Woodstock State Unit 1

Collection Date: 7/18/2017 11:56:00 AM

Lab ID: 1707A67-006

Matrix: SOIL

Received Date: 7/20/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	7/21/2017 8:15:52 PM	32926
Surr: DNOP	86.8	70-130		%Rec	1	7/21/2017 8:15:52 PM	32926
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/21/2017 5:21:45 PM	32925
Surr: BFB	83.3	54-150		%Rec	1	7/21/2017 5:21:45 PM	32925
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/21/2017 5:21:45 PM	32925
Toluene	ND	0.048		mg/Kg	1	7/21/2017 5:21:45 PM	32925
Ethylbenzene	ND	0.048		mg/Kg	1	7/21/2017 5:21:45 PM	32925
Xylenes, Total	ND	0.096		mg/Kg	1	7/21/2017 5:21:45 PM	32925
Surr: 4-Bromofluorobenzene	96.2	66.6-132		%Rec	1	7/21/2017 5:21:45 PM	32925

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 Quantitative Limit	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

Analytical Report

Lab Order 1707A67

Date Reported: 7/26/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: VE-1.0

Project: Woodstock State Unit 1

Collection Date: 7/18/2017 12:01:00 PM

Lab ID: 1707A67-007

Matrix: SOIL

Received Date: 7/20/2017 9:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/21/2017 8:38:16 PM	32926
Surr: DNOP	91.7	70-130		%Rec	1	7/21/2017 8:38:16 PM	32926
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/21/2017 9:47:22 PM	32925
Surr: BFB	82.2	54-150		%Rec	1	7/21/2017 9:47:22 PM	32925
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/21/2017 9:47:22 PM	32925
Toluene	ND	0.048		mg/Kg	1	7/21/2017 9:47:22 PM	32925
Ethylbenzene	ND	0.048		mg/Kg	1	7/21/2017 9:47:22 PM	32925
Xylenes, Total	ND	0.096		mg/Kg	1	7/21/2017 9:47:22 PM	32925
Surr: 4-Bromofluorobenzene	95.8	66.6-132		%Rec	1	7/21/2017 9:47:22 PM	32925

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 Quantitative Limit	RL Reporting Detection Limit
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1707A67

26-Jul-17

Client: EOG
Project: Woodstock State Unit 1

Sample ID	LCS-32926	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	32926	RunNo:	44388					
Prep Date:	7/20/2017	Analysis Date:	7/21/2017	SeqNo:	1403735	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.6	73.2	114			
Surr: DNOP	3.5		5.000		70.8	70	130			

Sample ID	MB-32926	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	32926	RunNo:	44388					
Prep Date:	7/20/2017	Analysis Date:	7/21/2017	SeqNo:	1403736	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	7.5		10.00		75.0	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- 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 Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1707A67

26-Jul-17

Client: EOG
Project: Woodstock State Unit 1

Sample ID	MB-32925	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	32925	RunNo:	44391					
Prep Date:	7/20/2017	Analysis Date:	7/21/2017	SeqNo:	1403909	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	880		1000		88.2	54	150			

Sample ID	LCS-32925	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	32925	RunNo:	44391					
Prep Date:	7/20/2017	Analysis Date:	7/21/2017	SeqNo:	1403910	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.9	76.4	125			
Surr: BFB	970		1000		96.6	54	150			

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 Quantitative Limit | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1707A67

26-Jul-17

Client: EOG
Project: Woodstock State Unit 1

Sample ID	MB-32925	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	32925	RunNo:	44391					
Prep Date:	7/20/2017	Analysis Date:	7/21/2017	SeqNo:	1403945	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	1.0		1.000		102	66.6	132			

Sample ID	LCS-32925	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	32925	RunNo:	44391					
Prep Date:	7/20/2017	Analysis Date:	7/21/2017	SeqNo:	1403946	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.5	80	120			
Toluene	0.96	0.050	1.000	0	95.9	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.3	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.8	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	66.6	132			

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 Quantitative Limit | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |



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

Sample Log-In Check List

Client Name: EOG/Yates

Work Order Number: 1707A67

RcptNo: 1

Received By: Andy Jansson

7/20/2017 9:45:00 AM

Completed By: Ashley Gallegos

7/20/2017 12:02:35 PM

Reviewed By: ENM

7/20/17

Handwritten initials/signature

Chain of Custody

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

Log In

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

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: _____

Special Handling (if applicable)

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

Person Notified:		Date	
By Whom:		Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:			
Client Instructions:			

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.8	Good	Yes			

Chain-of-Custody Record

Client: **EOG Resources, Inc.**
 Mailing Address: 105 South 4th Street
 Artesia, NM 88210
 Phone #: (575) 748-4217
 email: **Robert_Asher@eogresources.com**

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

Sampler: Robert Asher
 On Ice: Yes No
 Sample Temperature: 2.80C

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
7/14/17	Per Robert Asher 9:15 AM	Soil	SC-1.0	1 - 4oz.	Ice	1707A67
7/14/17	9:20 AM	Soil	SC-2.0	1 - 4oz.	Ice	-002
7/14/17	9:25 AM	Soil	SC-3.0	1 - 4oz.	Ice	-003
7/14/17	9:30 AM	Soil	VW-1.0	1 - 4oz.	Ice	-004
7/14/17	9:35 AM	Soil	VS-1.0	1 - 4oz.	Ice	-005
7/14/17	9:40 AM	Soil	VN-1.0	1 - 4oz.	Ice	-006
7/14/17	9:45 AM	Soil	VE-1.0	1 - 4oz.	Ice	-007

Date: 7/19/17 6:59 AM
 Date: 7/19/17 6:59 AM
 Relinquished by: *[Signature]*
 Relinquished by: *[Signature]*
 Received by: *[Signature]* Date: 7/20/17
 Received by: *[Signature]* Date: 7/20/17

TURN-AROUND TIME:

Standard **Rush 72 HR TAT (7/24/2017)**

Project Name: Woodstock State Unit #1

Project #: 30-025-30700

Project Manager: Robert Asher

PO# 205632



www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

BTEX + MTBE + TMB's (802)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015E (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (Cl)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
X	X	X	X	X	X	X	X	X	X	X	
X	X	X	X	X	X	X	X	X	X	X	
X	X	X	X	X	X	X	X	X	X	X	
X	X	X	X	X	X	X	X	X	X	X	
X	X	X	X	X	X	X	X	X	X	X	
X	X	X	X	X	X	X	X	X	X	X	

Analytical Results by 7/24/2017.

Remarks: Chlorides on separate report, please.



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

July 26, 2017

Robert Asher
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX

RE: Woodstock State Unit 1

OrderNo.: 1707A67

Dear Robert Asher:

Hall Environmental Analysis Laboratory received 7 sample(s) on 7/20/2017 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 #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG
Project: Woodstock State Unit 1

Lab Order: 1707A67

Lab ID: 1707A67-006

Collection Date: 7/18/2017 11:56:00 AM

Client Sample ID: VN-1.0

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	70	30		mg/Kg	20	7/21/2017 4:29:58 PM	32936

Lab ID: 1707A67-007

Collection Date: 7/18/2017 12:01:00 PM

Client Sample ID: VE-1.0

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	45	30		mg/Kg	20	7/21/2017 4:42:22 PM	32936

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	Page 2 of 3
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range	
	PQL Practical Quantitative Limit	RL Reporting Detection Limit	
	S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified	

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1707A67

26-Jul-17

Client: EOG
Project: Woodstock State Unit 1

Sample ID	MB-32936	SampType:	mblk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	32936	RunNo:	44426					
Prep Date:	7/21/2017	Analysis Date:	7/21/2017	SeqNo:	1404232	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-32936	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	32936	RunNo:	44426					
Prep Date:	7/21/2017	Analysis Date:	7/21/2017	SeqNo:	1404233	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	96.7	90	110			

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 |
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 Albuquerque, NM 87109
 TEL: 505-345-3975 FAX: 505-345-4107
 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG/Yates

Work Order Number: 1707A67

RcptNo: 1

Received By: Andy Jansson 7/20/2017 9:45:00 AM

Completed By: Ashley Gallegos 7/20/2017 12:02:35 PM

Reviewed By: ENM 7/20/17

Handwritten initials/signature

Chain of Custody

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

Log In

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

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

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

Person Notified:		Date:	
By Whom:		Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:			
Client Instructions:			

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.8	Good	Yes			

Chain-of-Custody Record

Client: **EOG Resources, Inc.**
 Mailing Address: 105 South 4th Street
 Artesia, NM 88210
 Phone #: (575) 748-4217
 email: **Robert_Asher@eogresources.com**

QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation:
 NELAP Other
 EDD (Type)

UPT-TIME: **Rush 72 HR TAT (7/24/2017)**
 Project Name: Woodstock State Unit #1
 Project #: 30-025-30700
 Project Manager: **Robert Asher**
 PO# 205632
 Sampler: Robert Asher
 On Ice: Yes No
 Sample Temperature: **2.80C**

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
7/18/17	Per Robert Asher					1707A67
7/18/17	9:15 AM	Soil	SC-1.0	1 - 4oz.	Ice	-001
7/18/17	9:20 AM	Soil	SC-2.0	1 - 4oz.	Ice	-002
7/18/17	9:25 AM	Soil	SC-3.0	1 - 4oz.	Ice	-003
7/18/17	9:30 AM	Soil	VN-1.0	1 - 4oz.	Ice	-004
7/18/17	9:35 AM	Soil	VS-1.0	1 - 4oz.	Ice	-005
7/18/17	9:40 AM	Soil	VN-1.0	1 - 4oz.	Ice	-006
7/18/17	9:45 AM	Soil	VE-1.0	1 - 4oz.	Ice	-007
Received by: <i>[Signature]</i> Date: 7/20/17 Received by: <i>[Signature]</i> Date: 7/20/17						



HALL ENVIRONMENTAL ANALYSIS LABORATORY
 www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Analysis Request	BTEX + MTBE + TMB's (802)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015E (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (Cl)	8081 Pesticides / 8082 PCBs	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
	X	X	X					X				
	X	X	X					X				
	X	X	X					X				
	X	X	X					X				
	X	X	X					X				
	X	X	X					X				

Analytical Results by 7/24/2017.
 Remarks: Chlorides on separate report, please.

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

Initial only

OPERATOR

Initial Report Final Report

Name of Company EOG Y Resources, Inc.	OGRID Number 25575	Contact Robert Asher
Address 104 S. 4 th Street	Telephone No. 575-748-1471	
Facility Name Woodstock State Unit #1	Facility Type Battery	
Surface Owner State	Mineral Owner State	API No. 30-025-30700

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	5	9S	33E	660	South	540	East	Lea

Latitude 32.55681 Longitude 103.58248

NATURE OF RELEASE

Type of Release Oil & Produced Water	Volume of Release 7 B/O & 2 B/PW	Volume Recovered 2 B/O & 0 B/PW
Source of Release Well head	Date and Hour of Occurrence 6/29/2017; PM	Date and Hour of Discovery 6/29/2017; PM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour N/A	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

RECEIVED
By Olivia Yu at 2:46 pm, Aug 04, 2017

If a Watercourse was Impacted, Describe Fully. *

Describe Cause of Problem and Remedial Action Taken. *
Packing on well head stuffing box failed, causing the release. Vacuum truck(s) and roustabout crews were called.

Describe Area Affected and Cleanup Action Taken. *
An approximate area of 60'X 25'. The well and valves were closed. Vacuum truck recovered remaining oil. The impacted soils were excavated and hauled to an NMOCD approved facility. Site check on 7/5/2017, further excavation needed to remove all impacted soils. Vertical and horizontal delineation samples were collected (7/18/2017) and analysis ran for TPH & BTEX (chlorides for documentation). Depth to Ground Water: >100' (approximately 120', Section 3, T9S-R32E, per NMOSE), Wellhead Protection Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0. Based on the volumes recovered, impacted soils excavated/removed and enclosed analytical data, EOG Y Resources requests closure.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature:	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Robert Asher	Approved by Environmental Specialist:	
Title: Environmental Supervisor	Approval Date: 8/4/2017	Expiration Date:
E-mail Address: Robert_Asher@eogresources.com	Conditions of Approval: see attached directive	Attached <input checked="" type="checkbox"/>
Date: July 31, 2017	Phone: 575-748-4217	

* Attach Additional Sheets If Necessary

1RP-4777 nOY1721655739 pOY1721656669