



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

February 25, 2019

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

Re: Grid Iron BLI Federal #3
30-005-64145
M-6-19S-25E
Chaves County, NM
2RP-5137

EOG Y Resources, Inc. is submitting the enclosed Closure Report for the above referenced site. The plan is being submitted accompanying the C-141 Final.

EOG Y Resources Inc. requests closure of 2RP-5137.

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

Respectfully,

A handwritten signature in black ink that reads "Chase Settle".

Chase Settle
Rep Safety & Environmental II
EOG Y Resources, Inc.

EOG Y Resources, Inc.
Grid Iron BLI Federal #3
Closure Report
M-6-19S-25E
Chaves County, NM
February 25, 2019
2RP-5137

Table of Contents

I.	Location.....	1
II.	Background.....	1
III.	Surface and Ground Water.....	1
IV.	NMOCD Ranking Criteria.....	1
V.	Soils.....	1
VI.	Work Completed.....	2

Tables:

Table 1: Soil Analytical Data

Figures:

Figure 1: Site Map with Sample Points

Figure 2: Site Map with Excavation and Confirmation Sample Points

Photos

Appendices:

Appendix A: USGS Groundwater Information

Appendix B: Laboratory Soil Data

Appendix C: Form C-141

I. Location

Drive east of Dexter, NM on E. Shawnee Rd until it merges with Wichita Road (CR 409). Follow CR 409 north for 6.5 miles, then turn east on the lease road and follow for 2 miles, then turn east and follow the lease road for 1 mile before turning south to the location.

II. Background

On December 13, 2018, EOG Y Resources, Inc. submitted to the NMOCD District II office a Form C-141 for the release of 2 B/O and 5 B/PW with 1 B/O and 1.5 B/PW recovered. The affected area impacted by the 2RP-5137 release is approximately 140 feet by 120 feet around the wellhead. The release was caused by the failure of a failure of a blowout preventer valve. A vacuum truck was dispatched to recover the standing fluid and a backhoe crew was contracted to excavate visually impacted soils, approximately 8 inches of soil was excavated and sent to a NMOCD approved disposal facility during these activities. Initial soil sampling was conducted January 8, 2019, after providing notice of sampling to NMOCD and BLM on January 4, 2019. Results of initial sampling (01/16/2019, results enclosed), indicated 2 areas requiring further excavation, S3 and S5.

III. Surface and Ground Water

Area geology is Cenozoic Quaternary. Based on information from the United States Geological Survey National Water Information System (USGS) regarding this location (Section 6, T12S-R27E), shallowest depth to groundwater is approximately 105 feet. Watercourses in the area are dry except for infrequent flows in response to major precipitation events, with the nearest body of surface water being Dimmitt Lake at 2.13 miles away.

IV. NMOCD Assessment Criteria

The site assessment criteria is as follows:

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

Based on the assessment criteria, the NMOCD established RRALs for this site are:

Benzene	10 mg/kg
BTEX	50 mg/kg
TPH	2,500 mg/kg
Chlorides	20,000 mg/kg

V. Soils

Soils consist of caliche which is used to create the production pad, which is responsible for prohibiting further migration of the contaminant into the subsurface.

VII. Work Completed

Based on analytical results, a decrease in chlorides, and groundwater greater than 100 feet, EOG Resources, Inc. excavated the S3 impacted area to three (3) feet bgs and the S5 impacted areas to two (2) feet bgs before confirmation soil sample results (02/14/2019, results enclosed) were below 600 mg/kg for chloride. Confirmation samples were collected by way of a 5-point composite sample to consist of an area no greater than 200 square feet being represented by any one composite sample. All excavated soil was hauled to a NMOCD approved facility for disposal, then the excavated areas were backfilled to grade with locally sourced caliche. EOG Resources, Inc. identified the horizontal extents during the confirmation sampling process as sidewalls contributed to composite points for each confirmation sample collected. A C-141 Final Report is hereby submitted to the NMOCD requesting closure of the site.

Table 1

Soil Analytical Data

Soil Analytical Data

Sample ID	Depth (ft. bgs)	Date	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH (GRO)	TPH (DRO)	TPH EXT DRO	Total TPH	Chlorides
S1-1'	1'	1/8/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
S1-2'	2'	1/8/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
S2-1'	1'	1/8/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	336
S2-2'	2'	1/8/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	352
S3-1'	1'	1/8/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1120
S3-2'	2'	1/8/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	496
S4-1'	1'	1/8/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
S4-2'	2'	1/8/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
S5-1'	1'	1/8/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	896
S5-2'	2'	1/8/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
S6-1'	1'	1/8/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	464
S6-2'	2'	1/8/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32
S7-1'	1'	1/8/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
S7-2'	2'	1/8/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224
S3-1-C	1-3'	2/8/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304
S3-2-C	1-3'	2/8/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272
S3-3-C	1-3'	2/8/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
S3-4-C	1-3'	2/8/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
S5-1-C	1-2'	2/8/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
S5-2-C	1-2'	2/8/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
S5-3-C	1-2'	2/8/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
S5-4-C	1-2'	2/8/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
S5-5-C	1-2'	2/8/19	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240

Figure 1

Site Map with Sample Points

Grid Iron BLI Federal #3

Map with Sample Points

Legend

P Initial Sample Point

Release Area

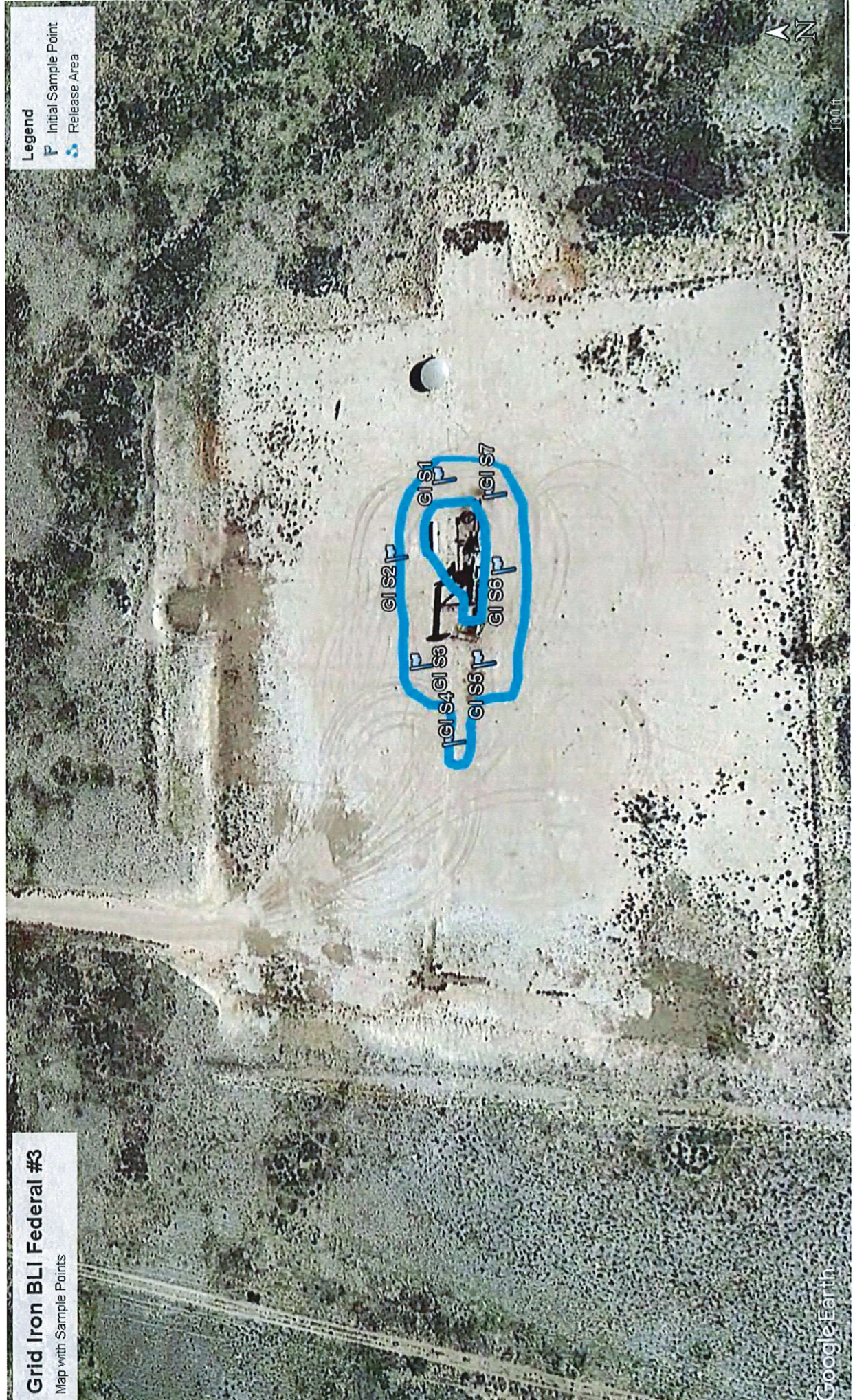


Figure 2

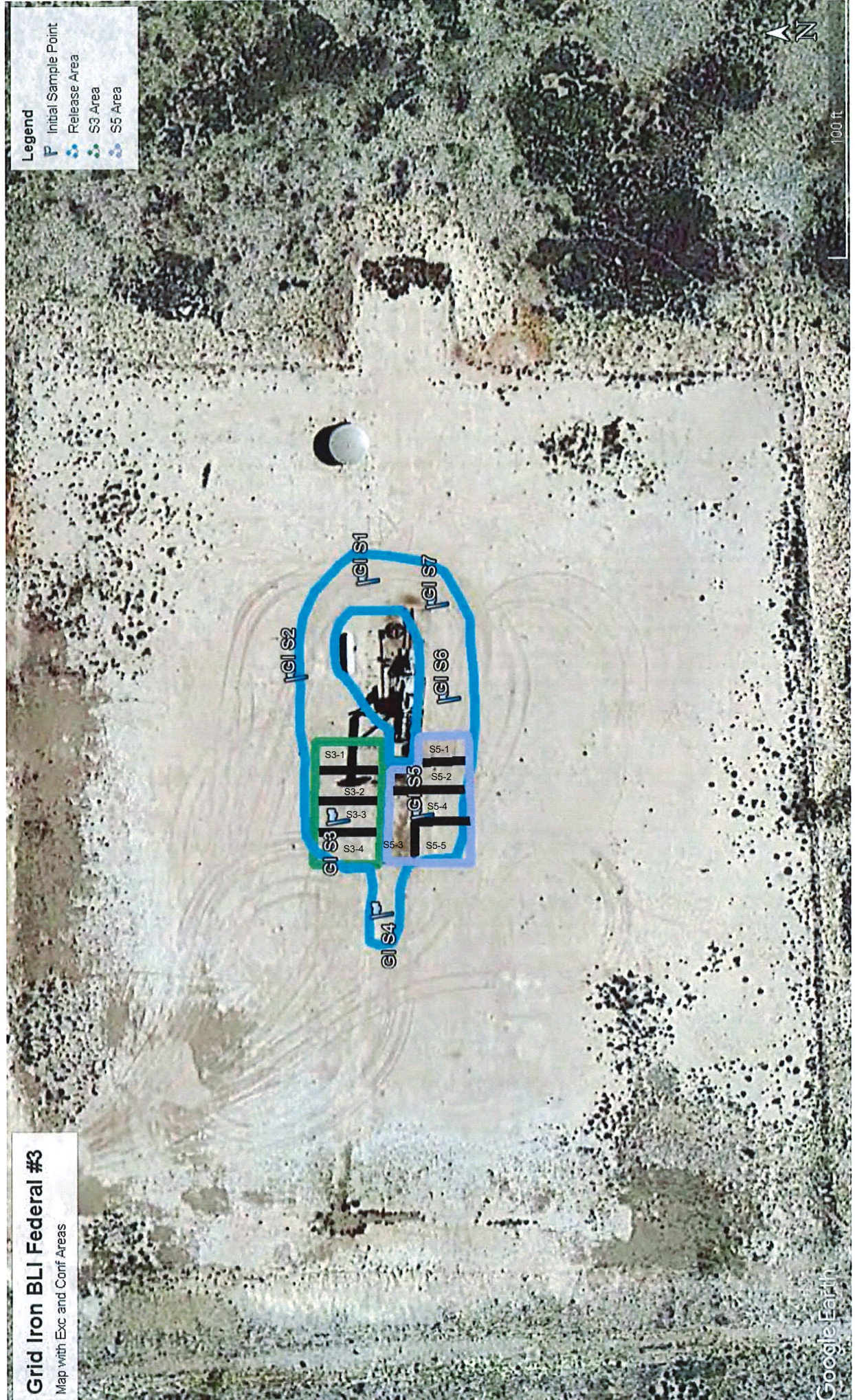
Site Map with Excavation and Confirmation Sample Points

Grid Iron BLI Federal #3

Map with Exc and Conf Areas

Legend

- Initial Sample Point
- Release Area
- S3 Area
- S5 Area



Photos











Appendix A

USGS Groundwater Information



National Water Information System: Map View

Sites

Map Layers

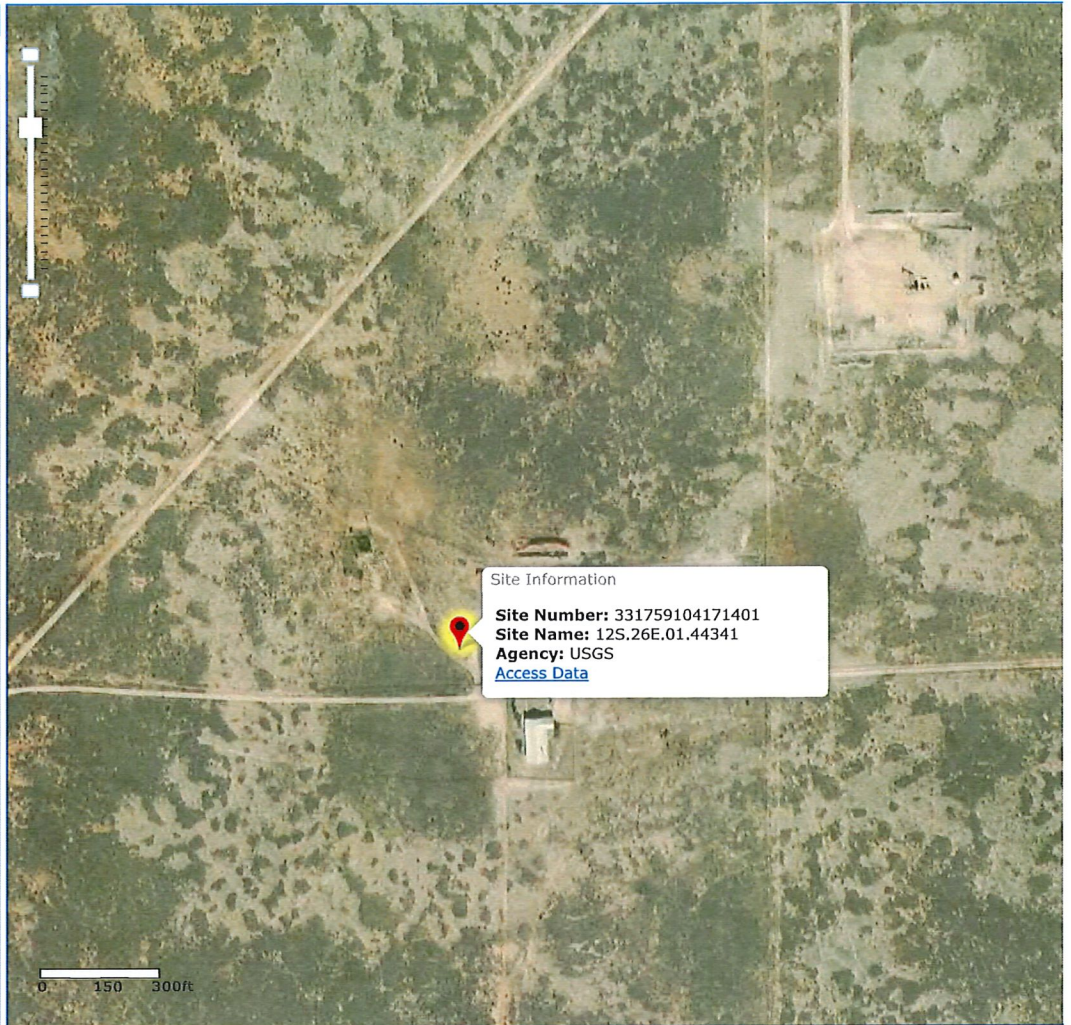
Search Results

Export Sites

Site Number	Site Name
3317591041714 01	12S.26E.01.44341

Search Parameters

Explanation of Symbols





National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

Click to hideNews Bulletins

- [Introducing The Next Generation of USGS Water Data for the Nation](#)
- [Full News](#) 

Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =
• 331759104171401

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 331759104171401 12S.26E.01.44341

Available data for this site

Chaves County, New Mexico

Hydrologic Unit Code --

Latitude 33°17'59", Longitude 104°17'14" NAD27

Land-surface elevation 3,746 feet above NAVD88

The depth of the well is 310 feet below land surface.

This well is completed in the Artesia Group (313ARTS) local aquifer.

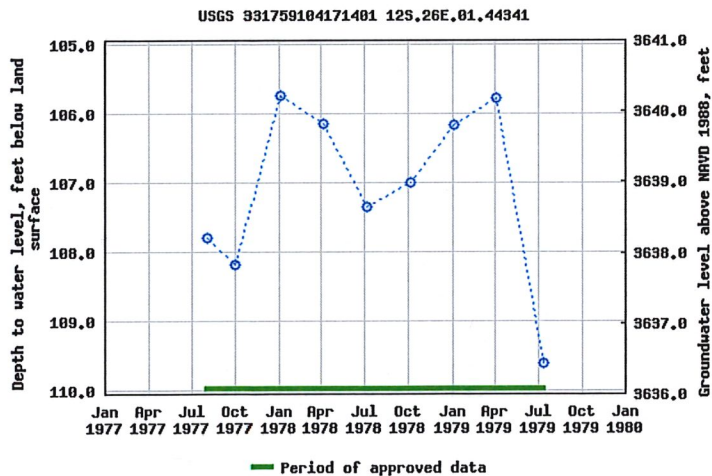
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

[Questions about sites/data?](#)

[Feedback on this web site](#)

[Automated retrievals](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)

[News](#)

Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2019-02-25 13:58:23 EST

1.06 0.9 nadww01

Appendix B

Laboratory Soil Data



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 16, 2019

CHASE SETTLE

EOG Y RESOURCES, INC

105 SOUTH 4TH STREET

ARTESIA, NM 88210

RE: GRID IRON BLI FEDERAL #3

Enclosed are the results of analyses for samples received by the laboratory on 01/09/19 13:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Coley D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 EOG Y RESOURCES, INC
 CHASE SETTLE
 105 SOUTH 4TH STREET
 ARTESIA NM, 88210
 Fax To: (575) 748-4131

Received:	01/09/2019	Sampling Date:	01/08/2019
Reported:	01/16/2019	Sampling Type:	Soil
Project Name:	GRID IRON BLI FEDERAL #3	Sampling Condition:	Cool & Intact
Project Number:	2RP-5137	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO NM		

Sample ID: S1 - 1' (H900066-01)

BTX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2019	ND	2.11	106	2.00	1.22	
Toluene*	<0.050	0.050	01/15/2019	ND	2.03	102	2.00	0.860	
Ethylbenzene*	<0.050	0.050	01/15/2019	ND	2.00	100	2.00	1.07	
Total Xylenes*	<0.150	0.150	01/15/2019	ND	6.09	102	6.00	0.840	
Total BTX	<0.300	0.300	01/15/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.8 % 73.3-129

Chloride, SM4500CI-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	01/11/2019	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2019	ND	220	110	200	8.49	
DRO >C10-C28*	<10.0	10.0	01/10/2019	ND	208	104	200	9.94	
EXT DRO >C28-C36	<10.0	10.0	01/10/2019	ND					

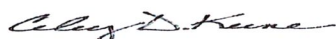
Surrogate: 1-Chlorooctane 92.2 % 41-142

Surrogate: 1-Chlorooctadecane 87.7 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	01/09/2019	Sampling Date:	01/08/2019
Reported:	01/16/2019	Sampling Type:	Soil
Project Name:	GRID IRON BLI FEDERAL #3	Sampling Condition:	Cool & Intact
Project Number:	2RP-5137	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO NM		

Sample ID: S1 - 2' (H900066-02)

BTEX 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2019	ND	2.11	106	2.00	1.22		
Toluene*	<0.050	0.050	01/15/2019	ND	2.03	102	2.00	0.860		
Ethylbenzene*	<0.050	0.050	01/15/2019	ND	2.00	100	2.00	1.07		
Total Xylenes*	<0.150	0.150	01/15/2019	ND	6.09	102	6.00	0.840		
Total BTEX	<0.300	0.300	01/15/2019	ND						

Surrogate: 4-Bromofluorobenzene (PII) 97.5 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/11/2019	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2019	ND	220	110	200	8.49	
DRO >C10-C28*	<10.0	10.0	01/10/2019	ND	208	104	200	9.94	
EXT DRO >C28-C36	<10.0	10.0	01/10/2019	ND					

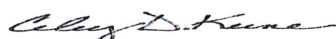
Surrogate: 1-Chlorooctane 93.4 % 41-142

Surrogate: 1-Chlorooctadecane 89.4 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	01/09/2019	Sampling Date:	01/08/2019
Reported:	01/16/2019	Sampling Type:	Soil
Project Name:	GRID IRON BLI FEDERAL #3	Sampling Condition:	Cool & Intact
Project Number:	2RP-5137	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO NM		

Sample ID: S2 - 1' (H900066-03)

BTX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2019	ND	2.11	106	2.00	1.22	
Toluene*	<0.050	0.050	01/15/2019	ND	2.03	102	2.00	0.860	
Ethylbenzene*	<0.050	0.050	01/15/2019	ND	2.00	100	2.00	1.07	
Total Xylenes*	<0.150	0.150	01/15/2019	ND	6.09	102	6.00	0.840	
Total BTX	<0.300	0.300	01/15/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 96.9 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	01/11/2019	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2019	ND	220	110	200	8.49	
DRO >C10-C28*	<10.0	10.0	01/10/2019	ND	208	104	200	9.94	
EXT DRO >C28-C36	<10.0	10.0	01/10/2019	ND					

Surrogate: 1-Chlorooctane 92.9 % 41-142

Surrogate: 1-Chlorooctadecane 84.8 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	01/09/2019	Sampling Date:	01/08/2019
Reported:	01/16/2019	Sampling Type:	Soil
Project Name:	GRID IRON BLI FEDERAL #3	Sampling Condition:	Cool & Intact
Project Number:	2RP-5137	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO NM		

Sample ID: S2 - 2' (H900066-04)

BTX 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2019	ND	2.11	106	2.00	1.22		
Toluene*	<0.050	0.050	01/15/2019	ND	2.03	102	2.00	0.860		
Ethylbenzene*	<0.050	0.050	01/15/2019	ND	2.00	100	2.00	1.07		
Total Xylenes*	<0.150	0.150	01/15/2019	ND	6.09	102	6.00	0.840		
Total BTX	<0.300	0.300	01/15/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 98.5 % 73.3-129

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	352	16.0	01/11/2019	ND	416	104	400	3.77			

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/11/2019	ND	220	110	200	8.49		
DRO >C10-C28*	<10.0	10.0	01/11/2019	ND	208	104	200	9.94		
EXT DRO >C28-C36	<10.0	10.0	01/11/2019	ND						

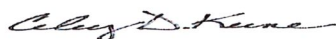
Surrogate: 1-Chlorooctane 89.6 % 41-142

Surrogate: 1-Chlorooctadecane 87.2 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	01/09/2019	Sampling Date:	01/08/2019
Reported:	01/16/2019	Sampling Type:	Soil
Project Name:	GRID IRON BLI FEDERAL #3	Sampling Condition:	Cool & Intact
Project Number:	2RP-5137	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO NM		

Sample ID: S3 - 1' (H900066-05)

BTEX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2019	ND	2.11	106	2.00	1.22	
Toluene*	<0.050	0.050	01/15/2019	ND	2.03	102	2.00	0.860	
Ethylbenzene*	<0.050	0.050	01/15/2019	ND	2.00	100	2.00	1.07	
Total Xylenes*	<0.150	0.150	01/15/2019	ND	6.09	102	6.00	0.840	
Total BTEX	<0.300	0.300	01/15/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 96.9 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	01/11/2019	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2019	ND	220	110	200	8.49	
DRO >C10-C28*	<10.0	10.0	01/11/2019	ND	208	104	200	9.94	
EXT DRO >C28-C36	<10.0	10.0	01/11/2019	ND					

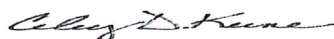
Surrogate: 1-Chlorooctane 82.0 % 41-142

Surrogate: 1-Chlorooctadecane 82.9 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	01/09/2019	Sampling Date:	01/08/2019
Reported:	01/16/2019	Sampling Type:	Soil
Project Name:	GRID IRON BLI FEDERAL #3	Sampling Condition:	Cool & Intact
Project Number:	2RP-5137	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO NM		

Sample ID: S3 - 2' (H900066-06)

BTEX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2019	ND	2.30	115	2.00	3.36	
Toluene*	<0.050	0.050	01/15/2019	ND	2.19	109	2.00	2.72	
Ethylbenzene*	<0.050	0.050	01/15/2019	ND	2.17	108	2.00	4.67	
Total Xylenes*	<0.150	0.150	01/15/2019	ND	6.57	109	6.00	3.74	
Total BTEX	<0.300	0.300	01/15/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.1 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	01/11/2019	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2019	ND	220	110	200	8.49	
DRO >C10-C28*	<10.0	10.0	01/11/2019	ND	208	104	200	9.94	
EXT DRO >C28-C36	<10.0	10.0	01/11/2019	ND					

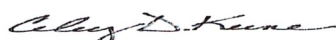
Surrogate: 1-Chlorooctane 77.7 % 41-142

Surrogate: 1-Chlorooctadecane 73.6 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	01/09/2019	Sampling Date:	01/08/2019
Reported:	01/16/2019	Sampling Type:	Soil
Project Name:	GRID IRON BLI FEDERAL #3	Sampling Condition:	Cool & Intact
Project Number:	2RP-5137	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO NM		

Sample ID: S4 - 1' (H900066-07)

BTEX 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2019	ND	2.30	115	2.00	3.36		
Toluene*	<0.050	0.050	01/15/2019	ND	2.19	109	2.00	2.72		
Ethylbenzene*	<0.050	0.050	01/15/2019	ND	2.17	108	2.00	4.67		
Total Xylenes*	<0.150	0.150	01/15/2019	ND	6.57	109	6.00	3.74		
Total BTEX	<0.300	0.300	01/15/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 99.2 % 73.3-129

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	176	16.0	01/11/2019	ND	416	104	400	3.77			

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/11/2019	ND	220	110	200	8.49		
DRO >C10-C28*	<10.0	10.0	01/11/2019	ND	208	104	200	9.94		
EXT DRO >C28-C36	<10.0	10.0	01/11/2019	ND						

Surrogate: 1-Chlorooctane 81.1 % 41-142

Surrogate: 1-Chlorooctadecane 76.4 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received: 01/09/2019
Reported: 01/16/2019
Project Name: GRID IRON BLI FEDERAL #3
Project Number: 2RP-5137
Project Location: CHAVES CO NM

Sampling Date: 01/08/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S4 - 2' (H900066-08)

BTEX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2019	ND	2.30	115	2.00	3.36	
Toluene*	<0.050	0.050	01/15/2019	ND	2.19	109	2.00	2.72	
Ethylbenzene*	<0.050	0.050	01/15/2019	ND	2.17	108	2.00	4.67	
Total Xylenes*	<0.150	0.150	01/15/2019	ND	6.57	109	6.00	3.74	
Total BTEX	<0.300	0.300	01/15/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.5 % 73.3-129

Chloride, SM4500CI-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/11/2019	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2019	ND	220	110	200	8.49	
DRO >C10-C28*	<10.0	10.0	01/11/2019	ND	208	104	200	9.94	
EXT DRO >C28-C36	<10.0	10.0	01/11/2019	ND					

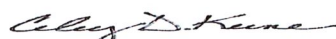
Surrogate: 1-Chlorooctane 76.5 % 41-142

Surrogate: 1-Chlorooctadecane 72.9 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	01/09/2019	Sampling Date:	01/08/2019
Reported:	01/16/2019	Sampling Type:	Soil
Project Name:	GRID IRON BLI FEDERAL #3	Sampling Condition:	Cool & Intact
Project Number:	2RP-5137	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO NM		

Sample ID: S5 - 1' (H900066-09)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2019	ND	2.30	115	2.00	3.36	
Toluene*	<0.050	0.050	01/15/2019	ND	2.19	109	2.00	2.72	
Ethylbenzene*	<0.050	0.050	01/15/2019	ND	2.17	108	2.00	4.67	
Total Xylenes*	<0.150	0.150	01/15/2019	ND	6.57	109	6.00	3.74	
Total BTEX	<0.300	0.300	01/15/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.0 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	896	16.0	01/11/2019	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2019	ND	220	110	200	8.49	
DRO >C10-C28*	<10.0	10.0	01/11/2019	ND	208	104	200	9.94	
EXT DRO >C28-C36	<10.0	10.0	01/11/2019	ND					

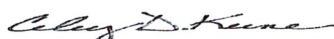
Surrogate: 1-Chlorooctane 80.5 % 41-142

Surrogate: 1-Chlorooctadecane 76.4 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 EOG Y RESOURCES, INC
 CHASE SETTLE
 105 SOUTH 4TH STREET
 ARTESIA NM, 88210
 Fax To: (575) 748-4131

Received:	01/09/2019	Sampling Date:	01/08/2019
Reported:	01/16/2019	Sampling Type:	Soil
Project Name:	GRID IRON BLI FEDERAL #3	Sampling Condition:	Cool & Intact
Project Number:	2RP-5137	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO NM		

Sample ID: S5 - 2' (H900066-10)

BTEX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2019	ND	1.93	96.4	2.00	1.56		
Toluene*	<0.050	0.050	01/15/2019	ND	2.14	107	2.00	1.57		
Ethylbenzene*	<0.050	0.050	01/15/2019	ND	1.98	98.9	2.00	0.153		
Total Xylenes*	<0.150	0.150	01/15/2019	ND	5.72	95.4	6.00	1.69		
Total BTEX	<0.300	0.300	01/15/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 107 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/11/2019	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2019	ND	220	110	200	8.49	
DRO >C10-C28*	<10.0	10.0	01/11/2019	ND	208	104	200	9.94	
EXT DRO >C28-C36	<10.0	10.0	01/11/2019	ND					

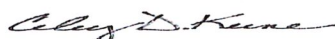
Surrogate: 1-Chlorooctane 70.7 % 41-142

Surrogate: 1-Chlorooctadecane 68.1 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 EOG Y RESOURCES, INC
 CHASE SETTLE
 105 SOUTH 4TH STREET
 ARTESIA NM, 88210
 Fax To: (575) 748-4131

 Received: 01/09/2019
 Reported: 01/16/2019
 Project Name: GRID IRON BLI FEDERAL #3
 Project Number: 2RP-5137
 Project Location: CHAVES CO NM

 Sampling Date: 01/08/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S6 - 1' (H900066-11)

BTEx 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2019	ND	1.93	96.4	2.00	1.56		
Toluene*	<0.050	0.050	01/15/2019	ND	2.14	107	2.00	1.57		
Ethylbenzene*	<0.050	0.050	01/15/2019	ND	1.98	98.9	2.00	0.153		
Total Xylenes*	<0.150	0.150	01/15/2019	ND	5.72	95.4	6.00	1.69		
Total BTEx	<0.300	0.300	01/15/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 73.3-129

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	464	16.0	01/11/2019	ND	416	104	400	3.92			

TPH 8015M			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/11/2019	ND	220	110	200	8.49		
DRO >C10-C28*	<10.0	10.0	01/11/2019	ND	208	104	200	9.94		
EXT DRO >C28-C36	<10.0	10.0	01/11/2019	ND						

Surrogate: 1-Chlorooctane 84.4 % 41-142

Surrogate: 1-Chlorooctadecane 77.2 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	01/09/2019	Sampling Date:	01/08/2019
Reported:	01/16/2019	Sampling Type:	Soil
Project Name:	GRID IRON BLI FEDERAL #3	Sampling Condition:	Cool & Intact
Project Number:	2RP-5137	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO NM		

Sample ID: S6 - 2' (H900066-12)

BTEx 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2019	ND	2.30	115	2.00	3.36		
Toluene*	<0.050	0.050	01/15/2019	ND	2.19	109	2.00	2.72		
Ethylbenzene*	<0.050	0.050	01/15/2019	ND	2.17	108	2.00	4.67		
Total Xylenes*	<0.150	0.150	01/15/2019	ND	6.57	109	6.00	3.74		
Total BTEx	<0.300	0.300	01/15/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 97.3 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/11/2019	ND	416	104	400	3.92	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2019	ND	220	110	200	8.49	
DRO >C10-C28*	<10.0	10.0	01/11/2019	ND	208	104	200	9.94	
EXT DRO >C28-C36	<10.0	10.0	01/11/2019	ND					

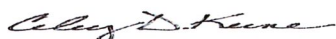
Surrogate: 1-Chlorooctane 81.6 % 41-142

Surrogate: 1-Chlorooctadecane 74.1 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 EOG Y RESOURCES, INC
 CHASE SETTLE
 105 SOUTH 4TH STREET
 ARTESIA NM, 88210
 Fax To: (575) 748-4131

Received:	01/09/2019	Sampling Date:	01/08/2019
Reported:	01/16/2019	Sampling Type:	Soil
Project Name:	GRID IRON BLI FEDERAL #3	Sampling Condition:	Cool & Intact
Project Number:	2RP-5137	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO NM		

Sample ID: S7 - 1' (H900066-13)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2019	ND	2.30	115	2.00	3.36	
Toluene*	<0.050	0.050	01/15/2019	ND	2.19	109	2.00	2.72	
Ethylbenzene*	<0.050	0.050	01/15/2019	ND	2.17	108	2.00	4.67	
Total Xylenes*	<0.150	0.150	01/15/2019	ND	6.57	109	6.00	3.74	
Total BTX	<0.300	0.300	01/15/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.7 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/11/2019	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2019	ND	220	110	200	8.49	
DRO >C10-C28*	<10.0	10.0	01/11/2019	ND	208	104	200	9.94	
EXT DRO >C28-C36	<10.0	10.0	01/11/2019	ND					

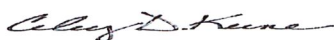
Surrogate: 1-Chlorooctane 84.0 % 41-142

Surrogate: 1-Chlorooctadecane 77.9 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received: 01/09/2019
Reported: 01/16/2019
Project Name: GRID IRON BLI FEDERAL #3
Project Number: 2RP-5137
Project Location: CHAVES CO NM

Sampling Date: 01/08/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S7 - 2' (H900066-14)

BTEX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/15/2019	ND	2.03	101	2.00	18.3		
Toluene*	<0.050	0.050	01/15/2019	ND	2.18	109	2.00	19.1		
Ethylbenzene*	<0.050	0.050	01/15/2019	ND	2.09	104	2.00	20.2		
Total Xylenes*	<0.150	0.150	01/15/2019	ND	6.17	103	6.00	21.7		
Total BTEX	<0.300	0.300	01/15/2019	ND						

Surrogate: 4-Bromofluorobenzene (PII) 96.4 % 73.3-129

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	224	16.0	01/11/2019	ND	416	104	400	3.92			

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/11/2019	ND	220	110	200	8.49		
DRO >C10-C28*	<10.0	10.0	01/11/2019	ND	208	104	200	9.94		
EXT DRO >C28-C36	<10.0	10.0	01/11/2019	ND						

Surrogate: 1-Chlorooctane 83.7 % 41-142

Surrogate: 1-Chlorooctadecane 75.9 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

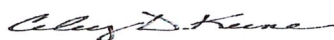
Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Chase Settle

Project Name: Grid Iron BLI Federal #3

Company Name: EOG Resources, Inc.

Project #: 2RP-5137

Company Address: 104 South 4th Street

Project Loc: Chaves County

City/State/Zip: Artesia, NM 88210

PO #: 205-0750

Telephone No: 575-748-4171

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: [Signature]

e-mail: Chase.Settle@eogresources.com

(lab use only)

ORDER #: H900066

LAB # (lab use only)

FIELD CODE

Beginning Depth

Ending Depth

Date Sampled

Time Sampled

Field Filtered

Total #. of Containers

Ice

HNO₃

HCl

H₂SO₄

NaOH

Na₂S₂O₃

None

Other (Specify)

DW=Drinking Water SL=Sludge

GW = Groundwater S=Soil/Solid

NP=Non-Potable Specify Other

TPH: 8015M Extended

TPH: TX 1005 TX 1008

Callons (Ca, Mg, Na, K)

BTEX 8021B/5030 or BTEX 8260

SAR / ESP / CEC

Metals: As Ag Ba Cd Cr Pb Hg Se

Volatiles

Semivolatiles

Chlorides

RCI

N.O.R.M.

RUSH TAT (Pre-Schedule) 24, 48, 72 hrs

Standard TAT

Preservation & # of Containers

Matrix

Analyze For:

TCLP:

TOTAL:

Special Instructions:

ALL results in mg/kg. **TPH EXTENDED needed.**

Relinquished by:

Date

Time

Received by:

[Signature]

Date

Time

Relinquished by:

Date

Time

Received by:

[Signature]

Date

Time

Relinquished by:

Date

Time

Received by ELOT:

Date

Time

Laboratory Comments:

Sample Containers Intact? ☒

VOCs Free of Headspace? ☒

Labels on container(s) ☒

Custody seals on container(s) ☒

Custody seals on cooler(s) ☒

Sample Hand Delivered ☒

by Sampler/Client Rep. ? ☒

by Courier? ☒

UPS ☒

DHL ☒

FedEx ☒

Lone Star ☒

Temperature Upon Receipt:

3.3

°C



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 14, 2019

CHASE SETTLE

EOG Y RESOURCES, INC

105 SOUTH 4TH STREET

ARTESIA, NM 88210

RE: GRID IRON BLI FEDERAL #3

Enclosed are the results of analyses for samples received by the laboratory on 02/13/19 14:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	02/13/2019	Sampling Date:	02/08/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	GRID IRON BLI FEDERAL #3	Sampling Condition:	Cool & Intact
Project Number:	2RP-5137	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO NM		

Sample ID: S3 - 1- C (H900577-01)

BTEx 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/14/2019	ND	2.04	102	2.00	13.2		
Toluene*	<0.050	0.050	02/14/2019	ND	2.06	103	2.00	10.1		
Ethylbenzene*	<0.050	0.050	02/14/2019	ND	1.96	98.2	2.00	9.66		
Total Xylenes*	<0.150	0.150	02/14/2019	ND	5.75	95.9	6.00	8.33		
Total BTEX	<0.300	0.300	02/14/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 91.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	02/14/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier ¹
GRO C6-C10*	<10.0	10.0	02/14/2019	ND	185	92.7	200	5.54	
DRO >C10-C28*	<10.0	10.0	02/14/2019	ND	160	80.0	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	02/14/2019	ND					

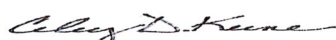
Surrogate: 1-Chlorooctane 97.9 % 41-142

Surrogate: 1-Chlorooctadecane 98.6 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	02/13/2019	Sampling Date:	02/08/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	GRID IRON BLI FEDERAL #3	Sampling Condition:	Cool & Intact
Project Number:	2RP-5137	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO NM		

Sample ID: S3 - 2- C (H900577-02)

BTEX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/14/2019	ND	2.04	102	2.00	13.2		
Toluene*	<0.050	0.050	02/14/2019	ND	2.06	103	2.00	10.1		
Ethylbenzene*	<0.050	0.050	02/14/2019	ND	1.96	98.2	2.00	9.66		
Total Xylenes*	<0.150	0.150	02/14/2019	ND	5.75	95.9	6.00	8.33		
Total BTEX	<0.300	0.300	02/14/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 90.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/14/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2019	ND	185	92.7	200	5.54	
DRO >C10-C28*	<10.0	10.0	02/14/2019	ND	160	80.0	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	02/14/2019	ND					

Surrogate: 1-Chlorooctane 89.5 % 41-142

Surrogate: 1-Chlorooctadecane 97.6 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	02/13/2019	Sampling Date:	02/08/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	GRID IRON BLI FEDERAL #3	Sampling Condition:	Cool & Intact
Project Number:	2RP-5137	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO NM		

Sample ID: S3 - 3- C (H900577-03)

BTEx 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/14/2019	ND	2.04	102	2.00	13.2		
Toluene*	<0.050	0.050	02/14/2019	ND	2.06	103	2.00	10.1		
Ethylbenzene*	<0.050	0.050	02/14/2019	ND	1.96	98.2	2.00	9.66		
Total Xylenes*	<0.150	0.150	02/14/2019	ND	5.75	95.9	6.00	8.33		
Total BTEX	<0.300	0.300	02/14/2019	ND						

Surrogate: 4-Bromofluorobenzene (PII) 93.9 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	02/14/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2019	ND	185	92.7	200	5.54	
DRO >C10-C28*	<10.0	10.0	02/14/2019	ND	160	80.0	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	02/14/2019	ND					

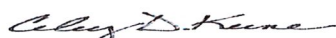
Surrogate: 1-Chlorooctane 84.7 % 41-142

Surrogate: 1-Chlorooctadecane 85.5 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 EOG Y RESOURCES, INC
 CHASE SETTLE
 105 SOUTH 4TH STREET
 ARTESIA NM, 88210
 Fax To: (575) 748-4131

 Received: 02/13/2019
 Reported: 02/14/2019
 Project Name: GRID IRON BLI FEDERAL #3
 Project Number: 2RP-5137
 Project Location: CHAVES CO NM

 Sampling Date: 02/08/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S3 - 4- C (H900577-04)

BTX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/14/2019	ND	2.10	105	2.00	4.50		
Toluene*	<0.050	0.050	02/14/2019	ND	2.11	106	2.00	2.54		
Ethylbenzene*	<0.050	0.050	02/14/2019	ND	2.05	102	2.00	1.66		
Total Xylenes*	<0.150	0.150	02/14/2019	ND	5.83	97.2	6.00	1.06		
Total BTX	<0.300	0.300	02/14/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 93.3 % 73.3-129

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	160	16.0	02/14/2019	ND	416	104	400	0.00			

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/14/2019	ND	185	92.7	200	5.54		
DRO >C10-C28*	<10.0	10.0	02/14/2019	ND	160	80.0	200	6.54		
EXT DRO >C28-C36	<10.0	10.0	02/14/2019	ND						

Surrogate: 1-Chlorooctane 91.5 % 41-142

Surrogate: 1-Chlorooctadecane 95.8 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Chase Settle

Project Name: Grid Iron BLI Federal #3

Company Name: EOG Resources, Inc.

Project #: 2RP-5137

Company Address: 104 South 4th Street

Project Loc: Chaves County

City/State/Zip: Artesia, NM 88210

PO #: 205-0750

Telephone No: 575-748-4171

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: *[Signature]*

e-mail:

Chase.Settle@eogresources.com

(lab use only)

ORDER #: H900577

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Ice	HNO ₃	HCl	H ₂ SO ₄	NaOH	Na ₂ S ₂ O ₃	None	Other (Specify)	Matrix	TPH: 8015M Extended	TPH: TX 1005	TPH: TX 1006	Cations (Ca, Mg, Na, K)	BTEX 8021B/5030 or BTEX 8250	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	Chlorides	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT	
1	S3-1-C			2/8/2019	7:57 AM		1	X								S	X														
2	S3-2-C			2/8/2019	7:59 AM		1	X								S	X														
3	S3-3-C			2/8/2019	8:01 AM		1	X								S	X														
4	S3-4-C			2/8/2019	8:03 AM		1	X								S	X														

Special Instructions: ALL results in mg/kg. TPH EXTENDED needed.

Laboratory Comments:

Sample Containers Intact? ☒ N
VOCs Free of Headspace? ☒ N
Labels on container(s) ☒ N
Custody seals on container(s) ☒ N
Custody seals on cooler(s) ☒ N
Sample Hand Delivered by Sampler/Client Rep.? ☒ N
by Courier? ☒ N
UPS ☒ N
DHL ☒ N
FedEx ☒ N
Lone Star ☒ N

Relinquished by: *[Signature]*

Date: 2-13-19 Time: 11:30

Received by: *[Signature]*

Date: 2/13/19 Time: 14:40

Relinquished by:

Date: Time:

Received by: ELOTT:

Date: Time:

Temperature Upon Receipt: 7.4 °C

#97



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

February 14, 2019

CHASE SETTLE

EOG Y RESOURCES, INC

105 SOUTH 4TH STREET

ARTESIA, NM 88210

RE: GRID IRON BLI FEDERAL #3

Enclosed are the results of analyses for samples received by the laboratory on 02/13/19 14:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 EOG Y RESOURCES, INC
 CHASE SETTLE
 105 SOUTH 4TH STREET
 ARTESIA NM, 88210
 Fax To: (575) 748-4131

Received:	02/13/2019	Sampling Date:	02/08/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	GRID IRON BLI FEDERAL #3	Sampling Condition:	Cool & Intact
Project Number:	2RP-5137	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO NM		

Sample ID: S5 - 1- C (H900576-01)

BTEX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/13/2019	ND	2.04	102	2.00	13.2		
Toluene*	<0.050	0.050	02/13/2019	ND	2.06	103	2.00	10.1		
Ethylbenzene*	<0.050	0.050	02/13/2019	ND	1.96	98.2	2.00	9.66		
Total Xylenes*	<0.150	0.150	02/13/2019	ND	5.75	95.9	6.00	8.33		
Total BTEX	<0.300	0.300	02/13/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 91.5 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	02/14/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2019	ND	185	92.7	200	5.54	
DRO >C10-C28*	<10.0	10.0	02/14/2019	ND	160	80.0	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	02/14/2019	ND					

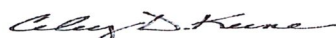
Surrogate: 1-Chlorooctane 85.5 % 41-142

Surrogate: 1-Chlorooctadecane 88.0 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 EOG Y RESOURCES, INC
 CHASE SETTLE
 105 SOUTH 4TH STREET
 ARTESIA NM, 88210
 Fax To: (575) 748-4131

 Received: 02/13/2019
 Reported: 02/14/2019
 Project Name: GRID IRON BLI FEDERAL #3
 Project Number: 2RP-5137
 Project Location: CHAVES CO NM

 Sampling Date: 02/08/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S5 - 2- C (H900576-02)

BTEX 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/14/2019	ND	2.04	102	2.00	13.2		
Toluene*	<0.050	0.050	02/14/2019	ND	2.06	103	2.00	10.1		
Ethylbenzene*	<0.050	0.050	02/14/2019	ND	1.96	98.2	2.00	9.66		
Total Xylenes*	<0.150	0.150	02/14/2019	ND	5.75	95.9	6.00	8.33		
Total BTEX	<0.300	0.300	02/14/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 88.2 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	02/14/2019	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/14/2019	ND	185	92.7	200	5.54		
DRO >C10-C28*	<10.0	10.0	02/14/2019	ND	160	80.0	200	6.54		
EXT DRO >C28-C36	<10.0	10.0	02/14/2019	ND						

Surrogate: 1-Chlorooctane 90.5 % 41-142

Surrogate: 1-Chlorooctadecane 93.5 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	02/13/2019	Sampling Date:	02/08/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	GRID IRON BLI FEDERAL #3	Sampling Condition:	Cool & Intact
Project Number:	2RP-5137	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO NM		

Sample ID: S5 - 3- C (H900576-03)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2019	ND	2.04	102	2.00	13.2	
Toluene*	<0.050	0.050	02/14/2019	ND	2.06	103	2.00	10.1	
Ethylbenzene*	<0.050	0.050	02/14/2019	ND	1.96	98.2	2.00	9.66	
Total Xylenes*	<0.150	0.150	02/14/2019	ND	5.75	95.9	6.00	8.33	
Total BTEx	<0.300	0.300	02/14/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 96.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/14/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2019	ND	185	92.7	200	5.54	
DRO >C10-C28*	<10.0	10.0	02/14/2019	ND	160	80.0	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	02/14/2019	ND					

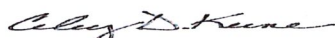
Surrogate: 1-Chlorooctane 93.7 % 41-142

Surrogate: 1-Chlorooctadecane 95.5 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	02/13/2019	Sampling Date:	02/08/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	GRID IRON BLI FEDERAL #3	Sampling Condition:	Cool & Intact
Project Number:	2RP-5137	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO NM		

Sample ID: S5 - 4- C (H900576-04)

BTEx 8021B			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/14/2019	ND	2.04	102	2.00	13.2		
Toluene*	<0.050	0.050	02/14/2019	ND	2.06	103	2.00	10.1		
Ethylbenzene*	<0.050	0.050	02/14/2019	ND	1.96	98.2	2.00	9.66		
Total Xylenes*	<0.150	0.150	02/14/2019	ND	5.75	95.9	6.00	8.33		
Total BTEX	<0.300	0.300	02/14/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 90.5 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	02/14/2019	ND	416	104	400	0.00		

TPH 8015M			mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	02/14/2019	ND	185	92.7	200	5.54		
DRO >C10-C28*	<10.0	10.0	02/14/2019	ND	160	80.0	200	6.54		
EXT DRO >C28-C36	<10.0	10.0	02/14/2019	ND						

Surrogate: 1-Chlorooctane 96.4 % 41-142

Surrogate: 1-Chlorooctadecane 99.6 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

EOG Y RESOURCES, INC
CHASE SETTLE
105 SOUTH 4TH STREET
ARTESIA NM, 88210
Fax To: (575) 748-4131

Received:	02/13/2019	Sampling Date:	02/08/2019
Reported:	02/14/2019	Sampling Type:	Soil
Project Name:	GRID IRON BLI FEDERAL #3	Sampling Condition:	Cool & Intact
Project Number:	2RP-5137	Sample Received By:	Jodi Henson
Project Location:	CHAVES CO NM		

Sample ID: S5 - 5- C (H900576-05)

BTEX 8021B			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/14/2019	ND	2.04	102	2.00	13.2		
Toluene*	<0.050	0.050	02/14/2019	ND	2.06	103	2.00	10.1		
Ethylbenzene*	<0.050	0.050	02/14/2019	ND	1.96	98.2	2.00	9.66		
Total Xylenes*	<0.150	0.150	02/14/2019	ND	5.75	95.9	6.00	8.33		
Total BTEX	<0.300	0.300	02/14/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 88.6 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/14/2019	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2019	ND	185	92.7	200	5.54	
DRO >C10-C28*	<10.0	10.0	02/14/2019	ND	160	80.0	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	02/14/2019	ND					

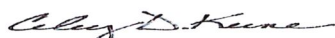
Surrogate: 1-Chlorooctane 91.5 % 41-142

Surrogate: 1-Chlorooctadecane 95.0 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

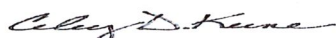
Notes and Definitions

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Appendix C

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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Y Resources, Inc.	OGRID 25575
Contact Name Chase Settle	Contact Telephone 575-748-4171
Contact email chase_settle@eogresources.com	Incident # (assigned by OCD)
Contact mailing address 104 S. 4 th	

Location of Release Source

Latitude 33.3022575 Longitude -104.2840271
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Grid Iron BLI Federal #3	Site Type Facility
Date Release Discovered 11/30/18	API# 30-005-64145

Unit Letter	Section	Township	Range	County
M	6	12S	27E	Chaves

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)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 2	Volume Recovered (bbls) 1
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 5	Volume Recovered (bbls) 1.5
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

The BP valve was 250#s after startup and fluid surfaced.


State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Chase Settle</u>	Title: <u>Rep Safety & Environmental II</u>
Signature: <u></u>	Date: <u>12/13/2018</u>
email: <u>chase_settle@eogresources.com</u>	Telephone: <u>575-748-4171</u>
<u>OCD Only</u> Received by: _____ Date: _____	

Incident ID	
District RP	2RP-5137
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?	105 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-5137
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: Safety & Environmental Rep II

Signature: *Chase Settle* Date: 02/25/2019

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

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-5137
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: Safety & Environmental Rep II
 Signature: *Chase Settle* Date: 02/25/2019
 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: _____