

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

October 22, 2018

Ms. Maria Pruett NMOCD District II 811 S. 1st Street Artesia, NM 88210

Re:

Link BKT Federal Com #1HY

30-015-36399

Section 18, T16S-R25E Eddy County, New Mexico

2RP-4960

Ms. Pruett,

EOG Y Resources, Inc. is submitting the enclosed CLOSURE REPORT and C-141 Final Report for the above captioned location. The report is being submitted in response to the C-141 Initial Report dated 8/23/2018.

Thank you.

EOG Y Resources, Inc.

Robert Asher Environmental Supervisor

Cc: Mike Bratcher



L Location

From Artesia, NM, travel west on US Highway 285 for approximately 7.8 miles to W. Funk Road (CR 121). Turn left (East) and continue for approximately 7.0 miles to N. Joy Road (CR 95), turn left (South) and continue approximately 1.0 miles to W. Bittersweet Road (CR 133). Turn left, (NE) and continue approximately 0.5 miles The road will curve left, but turn right (South) onto unpaved farm/lease road, continue south for approximately 1.2 miles and road curves to the left (East and continue east for approximately 0.8 miles to a fork in the road, take left fork, continue NE for approximately 0.25 miles and curves to the right (East), continue east for approximately 1.0 miles to a "T" in the road, turn left (North) and continue for approximately 0.4 miles to the southeast corner of the location.

II. Background

On August 23, 2018, EOG Y Resources, Inc. submitted to the NMOCD District I Office a Form C-141 for the release of 209 B/PW with 60 B/PW recovered from a produced water tank that was struck by lightning sometime during the early morning hours of 8/4/2018. The affected area is approximately 15' X 10' (north side of the battery) and 15' X 70' (south side of the battery) within the lined containment of the production facility. Those two (2) affected areas were caused by a fire that started from the lightning strike and burnt/melted the synthetic liner inside the battery. A vacuum truck(s) was called to recover the remaining produced water (the majority of the produced water was consumed in the fire). A roustabout crew was dispatched to begin clean-up and removal of the damaged equipment/tank.

III. Surface and Ground Water

Area surface geology is Paleozoic Permian. Based on Information regarding this location (Section 18, T16S-R34E), the New Mexico Office of the Stafe Engineer (NMOSE) database depth to groundwater is follows: (NMOSE-RA 05414, DTGW @ 100'), the United States Geological Survey National Water Information System, is as follows: (USGS #325634104304801, DTGW @ 57', USGS #325536104295101, DTGW @ 81.05, USGS #325420104320701, DTGW @ 205' The depth to groundwater is >100', per USGS and NMOSE groundwater level. Based on this information the Site Ranking is a Zero (0).

Watercourses in the area are dry except for infrequent flows in response to major precipitation events, with the nearest body of surface water is the Pecos River (9.53 miles, East/Southeast) direction).

IV. NMOCD Ranking Criteria

The ranking for this site is Zero (0) based on the following:

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



V. Liner Integrity

The battery is bermed and lined with a 20 millimeter liner, but with the fire that started from the lightning strike the synthetic liner inside the battery was compromised.

VI. Sampling Procedure

Vertical and horizontal delineation samples (S 1, S 2, S 3 & S 4) were collected within the area effected from the compromised liner. Samples were collected at 1', 2', 3' below grade surface (bgs). The soil samples will be analyzed for Benzene, BTEX, TPH extended and Chlorides. All samples will be sent to a NMOCD approved laboratory for analysis.

Based off of the analytical results (Appendix D), all results are within limits of Table 1, Closure Criteria for Soils Impacted by a Release.

Latitude/Longitude Coc	ordinates for Sample Points
S 1	32.924775°; -104.516798°
\$1	32.924793°; -104.516779°
S 2	32.924785°; -104.516790°
S 3	32.924698°; -104.516825°
53	32,924679°; -104,516824°
\$3	32.924679"; -104.516730°
\$3	32.924678°; -104.516729°
\$3	32.924695°; -104.516639°
\$3	32.924673°; -104.516636°
S 4	32.924686°; -104.516802°
S 4	32.924689"; -104.516736°
\$4	32.924685°; -104.516661°



Figure 1

Site Map

Released to Imaging: 4/17/2023 11:17:07 AM



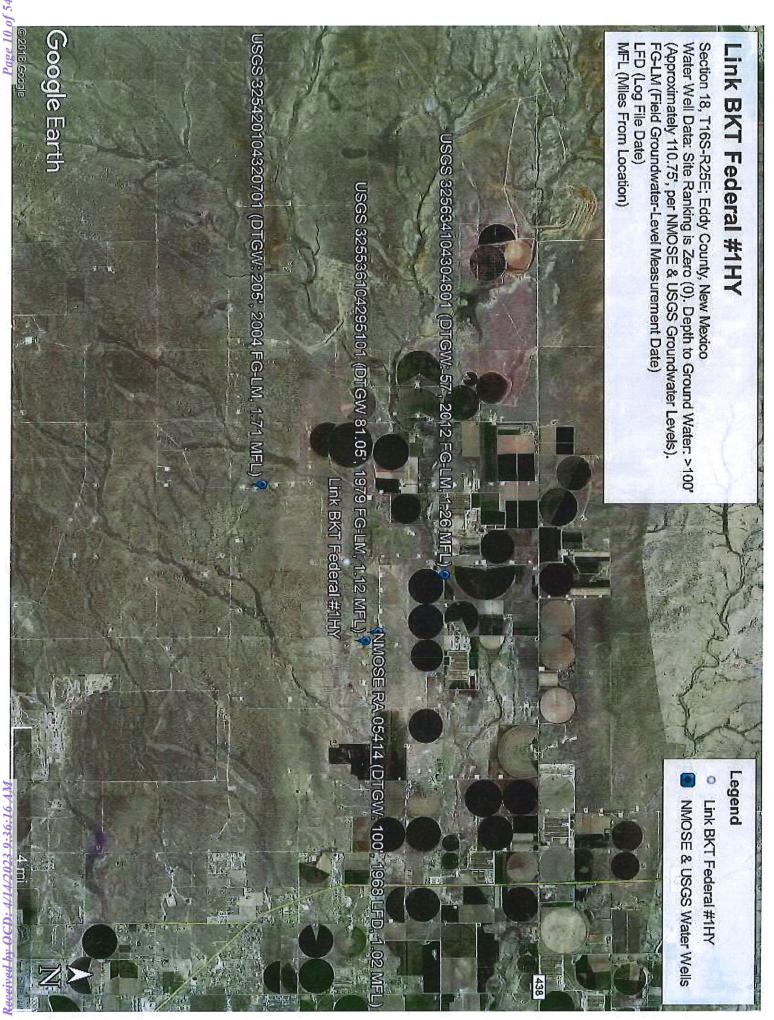
Figure 2

Photos











Appendix B NMOSE Well Log



New Mexico Office of the State Engineer **Point of Diversion Summary**

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

POD Number Well Tag

Q64 Q16 Q4 Sec Tws Rng

X

RA 05414

2 17 16S 25E

546738 3643563*

Driller License: 318

Driller Company: WESTERN PUMP & SUPPLY

Driller Name:

Drill Start Date:

04/05/1968

Drill Finish Date:

04/06/1968

Plug Date:

Source:

Shallow

Log File Date: Pump Type:

06/24/1968

PCW Rcv Date: Pipe Discharge Size:

Depth Water:

Estimated Yield:

100 feet

Casing Size:

Depth Well:

186 feet

*UTM location was derived from PLSS - see Help

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Appendix C

USGS Groundwater Level Information



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Site Information

Geographic Area: **United States**

GO

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USGS 325634104304801 16S.25E.08.111432

Available data for this site SUMMARY OF ALL AVAILABLE DATA V

Well Site

DESCRIPTION:

Latitude 32°56'34", Longitude 104°30'48" NAD27

Eddy County, New Mexico Well depth: not determined.

Land surface altitude: 3,519 feet above NAVD88.

Well completed in "Alluvium, Bolson Deposits and Other Surface

Deposits" (110AVMB) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level	1938-01-	2013-01-	49
<u>measurements</u>	17	30	42
Revisions	Unavailable (timeseries:0	•	

OPERATION:

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Record for this site is maintained by the USGS New Mexico Water Science Center

Email questions about this site to New Mexico Water Science Center Water-**Data Inquiries**

Questions about sites/data? Feedback on this web site



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National Water Information System: Web Interface

USGS Water Resources

Data Category:		Geographic Area:		
Groundwater	~	United States	~	GO

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Groundwater levels for the Nation

Search Results -- 1 sites found

site no list =

325634104304801

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 325634104304801 16S.25E.08.111432

Available data for this site Groundwater: Field measurements GO

Eddy County, New Mexico

Hydrologic Unit Code --

Latitude 32°56'34", Longitude 104°30'48" NAD27

Land-surface elevation 3,519 feet above NAVD88

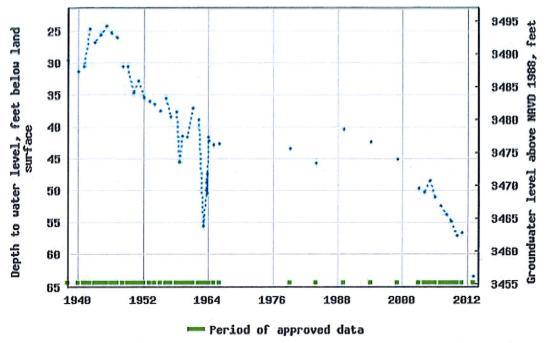
This well is completed in the Alluvium, Bolson Deposits and Other Surface

Deposits (110AVMB) 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

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U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels

URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team

Page Last Modified: 2018-10-11 09:34:48 EDT

1.28 1.12 nadww01

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Title: NWIS Site Information for USA: Site Inventory URL: https://waterdata.usgs.gov/nwis/inventory? agency_code=USGS&site_no=325634104304801

Page Contact Information: New Mexico Water Data Support Team

Page Last Modified: 2018-10-11 09:34:48 EDT

0.37 0.36 caww01





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National Water Information System: Web Interface

USGS Water Resources

Data Category:		Ġ
Site Information	V	L

Beographic Area: United States

GO

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USGS 325536104295101 16S.25E.17.2244243

Available data for this site SUMMARY OF ALL AVAILABLE DATA ✓

Well Site

DESCRIPTION:

Latitude 32°55'36", Longitude 104°29'51" NAD27

Eddy County, New Mexico

Well depth: 150 feet

Land surface altitude: 3,521 feet above NAVD88.

Well completed in "Alluvium, Bolson Deposits and Other Surface

Deposits" (110AVMB) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level	1979-03-	1979-03-	1
<u>measurements</u>	19	19	7.
Walter Carl	Unavailable	(site:0)	
Revisions	(timeseries:0))	

OPERATION:

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Title: NWIS Site Information for USA: Site Inventory URL: https://waterdata.usgs.gov/nwis/inventory? agency_code=USGS&site_no=325536104295101



Page Contact Information: New Mexico Water Data Support Team

Page Last Modified: 2018-10-11 09:32:53 EDT

0.48 0.43 caww01

GO



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USGS Water Resources

Data Category:		Geographic Area:	
Groundwater	~	United States	

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Search Results -- 1 sites found

site_no list =

325536104295101

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 325536104295101 16S.25E.17.2244243

Available data for this site | Groundwater: Field measurements GO

Eddy County, New Mexico

Hydrologic Unit Code --

Latitude 32°55'36", Longitude 104°29'51" NAD27

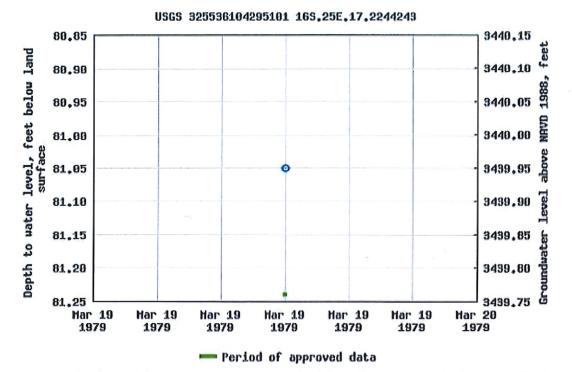
Land-surface elevation 3,521 feet above NAVD88

The depth of the well is 150 feet below land surface.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data	
Tab-separated data	1 %
Graph of data	
Reselect period	7



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

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Title: Groundwater for USA: Water Levels

URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team

Page Last Modified: 2018-10-11 09:32:49 EDT

1.05 0.94 nadww01





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USGS Water Resources

Data Category:	
Site Information	~

eographic Area:	
United States	~

GO

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USGS 325420104320701 16S.24E.24.42342

Available data for this site SUMMARY OF ALL AVAILABLE DATA

Well Site

DESCRIPTION:

Latitude 32°54'20", Longitude 104°32'07" NAD27 Eddy County, New Mexico , Hydrologic Unit 13060007

Well depth: 253 feet

Land surface altitude: 3,640 feet above NAVD88.

Well completed in "Artesia Group" (313ARTS) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1989-01- 19	2004-02- 17	4
Revisions	Unavailable (timeseries:0		

OPERATION:

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Title: NWIS Site Information for USA: Site Inventory

URL: https://waterdata.usgs.gov/nwis/inventory? agency_code=USGS&site_no=325420104320701

Page Contact Information: New Mexico Water Data Support Team

Page Last Modified: 2018-10-11 09:33:46 EDT

0.37 0.32 caww01





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USGS Water Resources

eographic Area:		
Inited States	~	GO

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Search Results -- 1 sites found

site_no list =

325420104320701

Minimum number of levels = 1

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USGS 325420104320701 16S.24E.24.42342

Available data for this site	Groundwater:	Field measurements	V	GO

Eddy County, New Mexico

Hydrologic Unit Code 13060007

Latitude 32°54'20", Longitude 104°32'07" NAD27

Land-surface elevation 3,640 feet above NAVD88

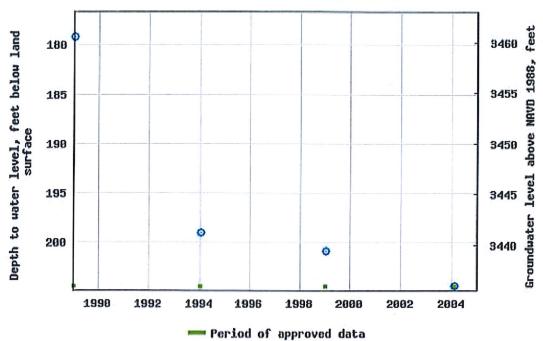
The depth of the well is 253 feet below land surface.

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

Output formats

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Tab-separated data	
Graph of data	
Reselect period	





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

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Title: Groundwater for USA: Water Levels

URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2018-10-11 09:33:52 EDT

1.2 1.04 nadww01

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Appendix D Sample Analysis Report

	Sample	Sample	200 1 20 1 20 1 20 1		Towns and	F Transmiss			
Results	Area	Date	Sample Type	Depth	BTEX	GRO	DRO	EXT DRO	Chlorides
S 1.1	East of Battery	8/24/2018	Grab/Backhoe	1	<0.30	<10.0	<10.0	<10.0	32
S 1.2	East of Battery	8/24/2018	Grab/Backhoe	2'	<0.30	<10.0	<10.0	<10.0	16
S 1.3	East of Battery	8/24/2018	Grab/Backhoe	3'	<0.30	<10.0	<10.0	<10.0	<16.0
Results	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	EXTORÓ	Chlorides
8 2.1	East of Battery	8/24/2018	Grab/Backhoe	1'	<0.30	<10.0	<10,0	<10.0	64
S 2.2	East of Battery	8/24/2018	Grab/Backhoe	2'	<0.30	<10.0	<10.0	<10.0	496
S 2.3	East of Battery	8/24/2018	Grab/Backhoe	3'	<0.30	<10.0	<10.0	<10.0	448
Results	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	EXT DRO	Chlorides
\$ 3,1	West of Battery	8/24/2018	Grab/Backhoe	. 1'	<0.30	<10.0	<10.0	<10.0	48
8 3,2	West of Battery	8/24/2018	Grab/Backhoe	2'	<0.30	<10.0	<10.0	<10.0	32
8 3.3	West of Battery	8/24/2018	Grab/Backhoe	3'	<0.30	<10.0	<10.0	<10.0	<16.0
Results	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	EXTIDRO	Chlorides
S 4.1	West of Battery	8/24/2018	Grab/Backhoe	1'	<0.30	<10.0	<10.0	<10.0	752
S 4.2	West of Battery	8/24/2018	Grab/Backhoe	2'	<0.30	<10.0	<10.0	<10.0	624
\$ 4.3	West of Battery	8/24/2018	Grab/Backhoe	3'	<0.30	<10.0	<10.0	<10.0	1460
Results	Sample Area	Sample Date	Sample Type	Depth	BTEX	GRO	DRO	EXTIDRO	Chlorides
\$ 4.4	West of Battery	9/19/2018	Grab/Backhoe	4'	<0.30	<10.0	<10.0	<10.0	544
S 4.5	West of Ballery	9/19/2018	Grab/Backhoe	.5 ¹	<0.30	<10.0	<10.0	≺10.0	576
S 4.7	West of Battery	9/19/2018	Grab/Backhoe	7'	<0.30	<10.0	<10.0	<10.0	1260
\$ 4.9	West of Battery	9/19/2018	Grab/Backhoe	9'	<0.30	<10.0	<10.0	<10.0	224

Site Ranking is Zero (0). Depth to Ground Water >100' (approx. 110.75", per USGS & NMOSE).

All results are ppm. BSL - Below Surface Level



August 28, 2018

ROBERT ASHER
EOG Y RESOURCES, INC
105 SOUTH 4TH STREET
ARTESIA, NM 88210

RE: LINK BKT FEDERAL #1HY (S1 & S2)

Enclosed are the results of analyses for samples received by the laboratory on 08/27/18 12:00.

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 accreditated 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.

Celeg D. Keena

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

Received by OCD: 4/14/2023 9:36:16 AM

Lab Director/Quality Manager



Analytical Results For:

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

Received: Reported: 08/27/2018

08/28/2018

LINK BKT FEDERAL #1HY (S1 & S2) 30-015-36399

Project Number: Project Location:

Project Name:

EDDY CO NM

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

08/24/2018

Soll

Cool & Intact

Tamara Oldaker

Sample ID: S 1.1 (H802394-01)

BTEX 8021B	mg/	kg	Analyzo	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2018	ND	2.00	99.8	2.00	1.23	
Toluene*	<0.050	0.050	08/27/2018	ND	1.94	97.0	2.00	3.80	
Ethylbenzene*	< 0.050	0.050	08/27/2018	ND	1.96	98.2	2.00	2.67	
Total Xylenes*	< 0.150	0.150	08/27/2018	ND	5.93	98.8	6.00	2.80	
Total BTEX	<0.300	0.300	08/27/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	94.1	69.8-14	2						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32,0	16,0	08/28/2018	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyzo	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2018	ND	217	108	200	3.27	
DRO >C10-C28*	<10.0	10.0	08/28/2018	ND	226	113	200	10.0	
EXT DRO >C28-C36	<10.0	10.0	08/28/2018	ND					
Surrogate: 1-Chlorooctane	99.5 9	6 41-142							
Surrogate: 1-Chlorooctadecane	100 %	37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Likelity and Cornages, Cardenits (State) and cleants exclude remain for any claim artists, whether besue in content or text, shall be limited to the amount paid by clear for analyses. All claims, including those for neglectic and any other causes whatbooms shall be december whether the content of the applicable service. In no event shall Cardenil be 19th for intrinsial and received by Cardenil within thing (80) digs after completion of the applicable service. In no event shall Cardenil be 19th for intrinsial are consequently decreases, without Embedding, between thempeters, loss of our content of the services harvander by Cardenil, regardless of visibles aschillation as a state of the services harvander by Cardenil, regardless of visibles aschillation asset of the above stated receases or otherwise. Results reforce only to the complete of the above stated receases or otherwise. Results reforce only to the cardenil and the above stated receases or otherwise. Results reforce only to the cardenil and the above stated receases or otherwise.





Analytical Results For:

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

Received: Reported: 08/27/2018

08/28/2018

LINK BKT FEDERAL #1HY (S1 & S2)

Project Name: Project Number:

30-015-36399 EDDY CO NM

Project Location:

Sampling Date:

Sampling Type:

Sampling Condition:

08/24/2018

Soil

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: S 1.2 (H802394-02)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	RS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2018	ND	2.00	99.8	2.00	1.23	
Toluene*	<0.050	0.050	08/27/2018	ND	1.94	97.0	2.00	3.80	
Ethylbenzene*	<0.050	0.050	08/27/2018	ND	1.96	98.2	2.00	2.67	
Total Xylenes*	<0.150	0.150	08/27/2018	ND	5.93	8,80	6,00	2,80	
Total BTEX	<0.300	0.300	08/27/2018	ND					
Surrogate: 4-Bromofluorohenzene (PIL	95.8 9	6 69.8-142							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/28/2018	ND	432	108	400	0.00	
TPH 8015M	mg/l	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	DS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2018	ND	217	108	200	3,27	
DRO >C10-C28*	<10.0	10.0	08/28/2018	ND	226	113	200	10.0	
EXT DRO >C28-C36	<10,0	10,0	08/28/2018	ND	•				
Surrogate: 1-Chlorooctane	99.9 9	é 41-142							
Surrogate: 1-Chlorooctadecane	97.89	6 37.6-147							

Annie de Deutsch

Cardinal Laboratories

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*=Accredited Analyte

PLEASE HOTE: tabley and Cartoges. Cardnells liability and clearly contains needed for any claim assisting, whether bested in contract or text, small be formed to the amount paid by clear for enables. All chims, including those for negligence and any other cause whetherens shall be decread which includes made in surface and by Cardnel by Cardnel things, including, without limitation, business intemptions, loss of use, or loss of prioris interest by clear, its subsidiaries, affiliates or successions action, or ended to the parlamentee of the sortices intemptions, loss of use, or loss of prioris interest whether such dain a based yours any of the above yield reasons or otherwise. Results relate only to the samples blorished above. This report shall not be reproduced except in this with without approval of Caretrel I above indus-





Analytical Results For:

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

Received:

08/27/2018

Sampling Date:

08/24/2018

Reported:

08/28/2018

Sampling Type:

Soil

Project Name:

LINK BKT FEDERAL #1HY (S1 & S2)

Sampling Condition:

Cool & Intact

Project Number:

30-015-36399

Project Location:

EDDY CO NM

Sample Received By:

Tamara Oldaker

Sample ID: S 1.3 (H802394-03)

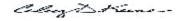
BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	08/27/2018	ND	2.00	99.8	2.00	1.23	
Toluene*	<0.050	0.050	08/27/2018	ND	1.94	97.0	2,00	3.80	
Ethylbenzene*	<0,050	0.050	08/27/2018	ND	1.96	98.2	2.00	2.67	
Total Xylenes*	<0.150	0.150	08/27/2018	ΝD	5.93	98.8	6.00	2.80	
Total BTEX	<0.300	0.300	08/27/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL)	96,69	6 69,8-14	2						
Chloride, SM4500Cl-B	mg/l	(g	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	ns	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/28/2018	ND	432	108	400	0.00	
TPH 8015M	mg/l	(g	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2018	ND	217	108	200	3.27	
DRO >C10-C28*	<10.0	10.0	08/28/2018	ND	226	113	200	10.0	
EXT DRO >C28-C36	<10,0	10,0	08/28/2018	ND.					
Surrogate: 1-Chlorooctane	97.6%	6 41-142							
Surrogate: 1-Chlorooctadecane	94.9%	37.6-147	7,						

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Received by OCD: 4/14/2023 9:36:16 AM

*=Accredited Analyte

PLEASE NOTE: Usbilly and burrages. Conducts bidnity and clearly conductor correctly for any clear actions, whicher based in contract or both, the amount point by clear for analysis. All clearly clears is neglected any other cases whethereon shall be decreed whether the amount point by clear for analysis. All clearly clear cases whethereon shall be decreed whether the amount of the applicable service. In the exact shall Carbon be lattle for recomposed decreed with the performance of the conducts of which such clearly conducted the conduction of the performance of the conduct the conduct of which such clear is because of which such clear is because of which such clearly conducted conducted to the performance of the conducted clearly regarded of which such clear is because of the conducted conducted clearly regarded of conducted clearly because of the conducted clearly regarded of conducted clearly because of the conducted clearly regarded of conducted clearly because of the conducted clearly regarded of conducted clearly because of the conducted clearly regarded of conducted clearly because of the conducted clearly regarded of conducted clearly because of the conducted clearly regarded of conducted clearly because of the conducted clearly regarded of conducted clearly regarded and regarded rega







Analytical Results For:

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

Received:

08/27/2018

Reported:

08/28/2018

Project Name: Project Number: LINK BKT FEDERAL #1HY (S1 & S2)

Project Location:

30-015-36399 EDDY CO NM

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

08/24/2018 Soil

Cool & Intact

Tamara Oldaker

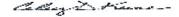
Sample ID: S 2.1 (H802394-04)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Umit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2018	ND	2,00	99.8	2.00	1.23	
Taluene*	<0.050	0.050	08/27/2018	ND	1.94	97.0	2.00	3.80	
Ethylbenzene*	<0.050	0.050	08/27/2018	ND	1.96	98.2	2.00	2.67	
Total Xylenes*	<0.150	0.150	08/27/2018	ND	5.93	98.8	6.00	2.80	
Total BTEX	<0.300	0.300	08/27/2018	ND					
Surrogate: 4-Bromofluorobenzene (PH)	94,8 9	% 69.8-14.	2					vi .	
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	65	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/28/2018	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Mathod Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2018	ND	217	108	200	3.27	
DRO >C10-C28*	<10.0	10,0	08/28/2018	ND _	226	113	200	10.0	
EXT DRO >C28-C36	<10,0	10.0	08/28/2018	ND					
Surrogate; 1-Chlorooctane	98.49	% 41-142							
Surrogate: 1-Chlorooctadecune	95.79	% 37.6-147	7						

Cardinal Laboratories

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PRINT NOTE: Library and Curragus. Contrains habity and chants endower tension for any clim taking, whether haved in contract or both, that he probed to the amount paid by clim for analysis. All dains, including these for negligible and received by Carbard within thiny (30) days also completed of the applicable sowics. In on event shall Carbard be inthe for horizontal descripts, whereas including, business includings, has all each or loss of profits instead by first, its substitute, efficiency or reconsern entering such at or related to this performance of the sources by Carbard, regardless of valeties with behavior or reconsern entering such at or related to this performance of the sources by Carbard, regardless of valeties with behavior approach of Control Debroombers.





Analytical Results For:

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

Received: Reported: 08/27/2018

08/28/2018

LINK BKT FEDERAL #1HY (S1 & S2)

Project Name: Project Number:

30-015-36399

Project Location:

EDDY CO NM

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: 08/24/2018

Soil

Cool & Intact

Tamara Oldaker

Sample ID: S 2.2 (H802394-05)

BTEX 8021B	nig/	kg	Analyze	ed By: ms					
Analyte:	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	< 0.050	0.050	08/27/2018	ND	2.00	99.8	2.00	1,23	
Toluene*	<0.050	0.050	08/27/2018	ND	1.94	97.0	2.00	3.80	
Ethylbenzene*	<0.050	0.050	08/27/2018	ND	1,96	98,2	2.00	2.67	
Total Xylenes*	< 0.150	0,150	08/27/2018	ND	5.93	98.8	6.00	2,80	
Total BTEX	<0.300	0.300	08/27/2018	ND					
Surrogate; 4-Bromofluorobenzene (PIF.	95.69	69.8-14	2						-
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	08/28/2018	ND	432	1.08	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2018	ND	217	108	200	3,27	
DRO >C10-C28*	<10.0	10.0	08/28/2018	ND	226	113	200	10.0	
EXT DRO >C28-C36	<10.0	10.0	08/28/2018	ND					
Surrogate: 1-Chlorooctane	97.49	á 11-112							
Surrogate: 1-Chlorooctadecane	94.3 9	6 37.6-14	7						

Cardinal Laboratorles

Received by OCD: 4/14/2023 9:36:16 AM

*=Accredited Analyte

PLESS MOTE: Liabley and Danieges. Custode healty and charts exclusive namedy for any other acting, whether based in content or lost, shall be brided to the ancount paid by their for analysis. At claims, including those for negligence and any other cause whethere which he deemed which refers made in writing and received by Carlinal willis thing (80) days after completion of the application artists. In no event that Fordand he folds for includent or consequential consequentia





Analytical Results For:

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

Received:

08/27/2018

Reported:

08/28/2018

Project Name: Project Number: LINK BKT FEDERAL #1HY (S1 & S2)

Project Location:

30-015-36399

EDDY CO NM

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

08/24/2018 Soil

Cool & Intact

Tamara Oldaker

Sample ID: S 2.3 (H802394-06)

BTEX 8021B	mg/	kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	08/27/2018	ND	2.00	99.8	2.00	1.23	
Toluene*	<0.050	0.050	08/27/2018	ND	1.94	97.0	2.00	3.80	
Ethylbenzene*	<0.050	0.050	08/27/2018	ND	1.96	98,2	2,00	2,67	
Total Xylenes*	< 0.150	0.150	08/27/2018	ND	5.93	98,8	6.00	2.80	
Total BTEX	<0.300	0.300	08/27/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	94.5 9	6 69.8-14	2 .						
Chloride, SM4500Ci-B	mg/l	(g	Analyzo	d By: AC					_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	08/28/2018	ND	432	108	400	0.00	
TPH 8015M	mg/l	кg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2018	ND	217	108	200	3.27	
DRO >C10-C28*	<10.0	10.0	08/28/2018	ND	226	113	200	10.0	
EXT DRO > C28-C36	<10.0	10.0	08/28/2018	ND					
Surrogate: 1-Chlorooctane	96.5 %	41-142							
Surrogate: 1-Chlorooctadecane	94.5 %	37.6-14	7						

Cardinal Laboratories

Received by OCD: 4/14/2023 9:36:16 AM

*=Accredited Analyte

REFACT NATE: Untilly and thermopae. Condition behind and denth exclusive numeric for any dain aming, whether behald or text, shall be insteld to the exceeded public for charlest the three desired valued where mode in the population of the applicable section. In on award what Canders he hashed in medicable or consequential dimagnet, without irritation, behald as hashed in the property of the course of the population of the applicable section. In on a work what Canders he hashed in medicable or consequential dimagnet, without irritation, behald in the control of property of the property of the course or distinct on the population of the







Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Sumples not received at proper temperature of 6°C or below.

** Insufficient time to reach temperature.

- Chlorkle by SM1500Ct-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

PITACT NOTE: Untilly and formages. Condents lightly and clearly contact contact contact or contract or text, stall be formed to the account for the particular stall be decread season areas in certain and contract or text. It is no exact shall Contact to the formages, texted, without the professional text. It is no exact shall Contact to the performance of the services become by Contact, regardless of contact to the performance of the services become by Contact, regardless of contact the performance of the services become by Contact, regardless of contact the performance of the services become by Contact, regardless of contact the performance of the services become by Contact, regardless of contact the performance of the services become by Contact, regardless of contact the performance of the services become by Contact, regardless of contact the performance of the services become by Contact, regardless of contact the performance of the services become by Contact, regardless of contact the performance of the services become by Contact, regardless of contact the performance of the services become the performance of the services because the performance of the ser

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ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240		Pag

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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80.0%			Augus.		24 HR TAT PLEASE.		\$23	\$2.2	\$2.1	S1.3	\$12	\$1.1	FIELD CODE	井とのでの84 非	27	Sampler Signature:	Telephone No: 575-748-4171	City/State/Zip: Artesia, NM 88210	Company Address: 104 South 4th Street	Company Name EOG Resources, Inc.	Project Manager: Robert Asher
naie	Date	02/25/18	xtended P													NA.)	8210	Street	as, Inc.	
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18	Time	52 AM	À				ယ္	Ŋ	-	ω	Vī	4	Ending Depth			5	7				
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E E	Sample Hand Delivered by Sampler/Client Rep. ? by Courier? UPS	Labels on containen(s) Custody seals on containen(s) Custody seals on cooler(s)	Laboratory Comments: Sample Containers Intact? VOCs Free of Headspace?		10 -10	: 3-							SAR / ESP / CEC	į	TOLE		× Standard	Po #: 205632	Project Loc: Eddy County	Project #: 30-015-36399	JK.
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August 28, 2018

ROBERT ASHER
EOG Y RESOURCES, INC
105 SOUTH 4TH STREET
ARTESIA, NM 88210

RE: LINK BKT FEDERAL #1HY (S3 & S4)

Enclosed are the results of analyses for samples received by the laboratory on 08/27/18 12:00.

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 accreditated 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.

Celeg D. Freene

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

Received by OCD: 4/14/2023 9:36:16 AM

Lab Director/Quality Manager



Analytical Results For:

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

Received:

08/27/2018

Reported:

08/28/2018

Project Name: Project Number: LINK BKT FEDERAL #1HY (S3 & S4)

Project Location:

30-015-36399 **EDDY CO NM**

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

08/24/2018

Soil

Cool & Intact

Tamara Oldaker

Sample ID: S 3.1 (H802395-01)

BTEX 8021B	mg/	kg.	Analyzo	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2018 ND		2.00	99.8	2.00	1.23	
Toluene*	<0.050 0.050		08/27/2018 ND		1.94	97.0	2.00	3.80	
Ethylbenzene*	<0.050	0.050	08/27/2018	08/27/2018 ND		98.2	2.00	2.67	
Total Xylenes*	< 0.150	0.150	08/27/2018	ND	5.93	98.8	6.00	2.80	
Total BTEX	< 0.300	0.300	08/27/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	95,1 % 69,8-		12						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed Method Blan		BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/28/2018 ND		432	108	400	00,0	
TPH 8015M	mg/kg		Analyzed By: MS				7.1		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualitier
GRO CG-C10*	<10.0	10.0	08/28/2018	ND	217	108	200	3.27	
DRO >C10-C28*	<10.0	10.0	08/28/2018	ND	226	113	200	10.0	
EXT DRO >C28-C36	<10.0 10.0		08/28/2018	ND					
Surrogate: 1-Chlorooctane	102 %	6 41-142							
Surrogate: 1-Chlorooctadecane	99.89	6 37.6-14	7						

Cardinal Laboratories

Received by OCD: 4/14/2023 9:36:16 AM

*=Accredited Analyte

HEASE HOTE: Liabley and Danages. Cardinals lability and dieth's enthetic enterty for any fairn andrag, whether housed in content or tast, shall be Embed in the amount paid by dieth for analyses. All chiral, including bross for needgening and any other nearest whether the december what the december was in whiting and necessal by Cardinal within thiny (30) days often completion of the applicable service. In no event, that Cardinal has likely for intellectual or consequential dramages, without hintened, bentium, bestiment when the analysis of our, or loss of our, or loss of porter bossess by their, in such that we assume that the performance of the analysis of our, or loss of our, or loss of porter bossess by their intellectual post any of the above analysis of our performance of the analysis of the analys





Analytical Results For:

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

Received: Reported: 08/27/2018

08/28/2018

Project Name: Project Number: LINK BKT FEDERAL #1HY (S3 & S4)

Project Location:

30-015-36399 EDDY CO NM

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

08/24/2018

Soll Cool & Intact

Tamara Oldaker

Sample ID: S 3.2 (H802395-02)

BTEX 8021B	mg/	kg	Analyze	d By: ms					7	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/27/2018	ND	2.00	99.8	2,00	1.23		
Toluene*	<0.050	0.050	08/27/2018	ND 1.94		97.0	2.00	3.80		
Ethylbenzene*	<0.050	0.050	08/27/2018 ND		1.96	98.2	2.00	2.67		
Total Xylenes*	<0.150	0.150	08/27/2018	ND	5.93	98,8	6,00	2,80		
Total BTEX	00E,0>	0.300	08/27/2018	ND			0.00			
Surrogate: 4-Bromofluorobenzene (PIL:	95.6% 69.8-14		2						-	
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC				7		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	ns	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/28/2018	ND	432	108	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	08/28/2018	ND	217	108	200	3,27		
DRO >C10-C28*	<10.0	10.0	08/28/2018	ND .	226	113	200	10.0		
EXT DRO > C28-C36	<10.0 10.0		08/28/2018	ND						
Surrogate: 1-Chlorooctane	99.7 9	% 41-142								
Surrogate; 1-Chlorooctadecane	97.2 9	% 37.6-14	7							

Cardinal Laboratories

Received by OCD: 4/14/2023 9:36:16 AM

*=Accredited Analyte

PLEASE HOTE: Upday and Damages. Controls Jeithy and diself entirely for any dain adding, whether based in contrast or both, shall be limited to the amount publicly direct for analysis. All thirms, including those for assess alleborate shall be desired where largest mode in writing and received by Control within thing (30) days after completed of the applicable service. He no event shall Carlind be field by incident or consequential damages, without Interest, buttons intemption, both or into, or ion of profit formally during the authorities, without profit or of or or or into, or ion of profit formally dains based upon any of the some stated access or obtained, besides related above. This report will not be proceed except in this with written provided confidence.





Analytical Results For:

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

Received:

08/27/2018

Reported:

08/28/2018

Project Name: Project Number: LINK BKT FEDERAL #1HY (S3 & S4)

Project Location:

30-015-36399

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

Soil

Cool & Intact Tamara Oldaker

08/24/2018

EDDY CO NM

Sample ID: S 3.3 (H802395-03)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	08/27/2018 ND		2,00	99.8	2.00	1.23	
Toluene*	<0.050	0.050 08/27/20		ND	1.94	97,0	2,00	3.80	
Ethylbenzene*	<0.050	0.050	08/27/2018	ND	1.96	98.2	2.00	2.67	
Total Xylenes*	<0.150	0.150	08/27/2018 ND		5.93	98.8	6.00	2.80	
Total BTEX	<0.300 0.300		08/27/2018 ND						
Surrogate: 4-Bromofluorobenzene (PIL)	95.4% 69.8-1		2						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/28/2018 ND		432	108	400	0.00	
TPH 8015M	mg/l	q	Analyze			1			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2018	8/2018 ND		108	200	3.27	
DRO >C10-C28*	<10,0	10.0	08/28/2018 ND		226	113	200	10.0	
EXT DRO >C28-C36	<10,0 10,0		08/28/2018	ND		,			
Surrogate: 1-Chlorooctane	101 %	41-142							
Surrogate: 1-Chlorooctadecane	98.2 %	37.6-147	7.						

Cardinal Laboratories

Received by OCD: 4/14/2023 9:36:16 AM

*=Accredited Analyte

RIGASE MOTE: Libbby and Damages. Condrains behing and clearly evolutive to ready for any clean arising, whether behand or been confidence to the appropriate terms about the amount point by clean for another the appropriate service. In no over shall be desired when unless make in writing and material der consequential dismages, including, without Emission, business interruptions, loss of use, or loss of profess incomed by Geria, its abbidiates, afficiates or occasions interruption, business interruptions, loss of use, or loss of profess incomed by Geria, its abbidiates, afficiates or occasions interruption, business interruptions, loss of use, or loss of profess incomed by Geria, its abbidiates, afficiates or occasions interruption, business interruptions, loss of use, or loss of profess incomed by Geria, its abbidiates are unless interruptions, loss of use, or loss of profess incomed by Geria, its abbidiates or occasions along one of or related to the performance of the services investors in the control of the above stated resistant or otherwise. Results relate only to the caserplant when the performance of the services investors are determined. Results are the control of the above stated resistant or otherwise. Results relate only to the caserplant when the representation of the above stated resistant or otherwise. Results relate only to the above stated resistant or otherwise.





Analytical Results For:

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

Received:

08/27/2018

Reported:

08/28/2018

Project Name:

LINK BKT FEDERAL #1HY (S3 & S4)

Project Number: Project Location:

30-015-36399 EDDY CO NM

ma/ka

99.6%

37.6-147

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

08/24/2018

Soil

Cool & Intact Tamara Oldaker

Sample ID: S 4.1 (H802395-04)

ы	ĿΧ	802	16	

B1EX 8021B	mg/	кд	Analyzo	d By: ms					F	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	< 0.050	0.050	08/27/2018	ND	2.00	99.8	2,00	1,23		
Toluene+	<0.050	0.050 08/27/2018		ND	1.94	97.0	2.00	3.80		
Ethylhenzene*	<0.050	0.050	08/27/2018	ND	1,96	98,2	2.00	2.67		
Total Xylenes*	<0,150 0,150		08/27/2018 ND		5.93	98.8	6,00	2.80		
Total BTEX	<0.300	0.300	08/27/2018	ND						
Surrogate; 4-Bromofluorobenzene (PIL	93.7 % 69.8-14		2							
Chloride, 5M4500CI-B	mg/kg		Analyze	d By: AC						
Analyte	Result Reporting Limit		Analyzed Method Blank		BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752 16.0		08/28/2018 ND		432	108	400	0.00		
TPH 8015M	mg/kg		Analyzed By: MS							
Analyte	Result Reporting Limit		Analyzed Method Blank		B5	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10,0	10.0	08/28/2018	ND	217	108	200	3,27		
DRO >C10-C28*	<10.0	10.0	08/28/2018	ND	226	113	200	10.0		
EXT DRO >C28-C36	<10.0 10.0		08/28/2018	ND						
Surrogate: 1-Chlorooctane	102 %	41-142								

Analysist But me

Cardinal Laboratories

Received by OCD: 4/14/2023 9:36:16 AM

Surrogate: 1-Chlorooctadecane

*=Accredited Analyte

PLESS MAIR: Utility and Correct. Contracts Buildly and charity and proceed by Corinal Willing (30) days after completes of the applicable survive. In no event shall be deemed where the process and the applicable survive in the event shall be deemed where the process and the process of the survive in the event shall be deemed to the process of the survive in the process of the survive internal by Carlind, its actualistics, affiliates and the process and the process of the survive internal by Carlind, regardless of whether such charity by the shall be processed by Carlind, regardless of whether such charity by the shall be processed by Carlind, regardless of the survive shall be processed by Carlind, regardless of whether such charity by the shall be processed by Carlind, regardless of the survive shall be processed by Carlind approached Carlind Laboratories.





Analytical Results For:

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

Received:

08/27/2018

Sampling Date:

08/24/2018

Reported:

08/28/2018

Soil

Project Name:

LINK BKT FEDERAL #1HY (S3 & S4)

Sampling Type:

Cool & Intact

Project Number:

30-015-36399

Sampling Condition:

Sample Received By:

Tamara Oldaker

Project Location:

EDDY CO NM

Sample ID: S 4.2 (H802395-05)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2018	ND	2.00	99.8	2.00	1.23	
Toluene*	<0.050	0.050	08/28/2018	8/2018 ND		97.0	2,00	3.80	
Ethylbenzene*	<0.050	0.050	08/28/2018	/28/2018 ND		98.2	2.00	2.67	
Total Xylenes*	<0.150	0.150	08/28/2018 ND		5.93	98.8	6.00	2.80	
Total BTEX	<0.300 0.300		08/28/2018 ND						
Surrogate: 4-Bromofluorobenzene (PIL)	95.0	% 69.8-14	-142			U.S.			
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624 16.0		08/28/2018 ND		432	108	400	0.00	
TPH 8015M	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/28/2018	ND	217	108	200	3.27	
DRO >C10-C28*	<10.0	10,0	08/28/2018	ND	226	113	200	10,0	
EXT DRO >C28-C36	<10.0	10.0	08/28/2018	ND					
Surrogate: 1-Chlorooctane	98.7% 41-								
Surrogate: 1-Chloroactadecane	96.0 9	6 37,6-14	7						

Cardinal Laboratories

Received by OCD: 4/14/2023 9:36:16 AM

*=Accredited Analyte

PLEASE NOTE: Libbly and beneges. Contents labily and clears evolute secrety for any older adding, whether based in content or tool, shall be limited to the amount paid by Girst for analyses. All claims, including those for negligence and any older causes whatever shall be described mounts urder made in the implication of the applicable service. But no event what Cardinal he hade the medicated or consequently divineges, but not inhibited, without the professional inhibition, butters between their professional, post of our, or less of peace becomed by claim its analysis and the performance of the services heavier by Cardinal, regardless of whether such claims to the performance of the services are consequently and of cardinal to the performance of the services are consequently and the cardinal to the card





Analytical Results For:

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

Received: Reported: 08/27/2018

08/28/2018

LINK BKT FEDERAL #1HY (S3 & S4)

Project Name: Project Number:

Project Location:

30-015-36399 EDDY CO NM

Sampling Date:

Sampling Type:

Sampling Condition:

08/24/2018 Soil

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: S 4.3 (H802395-06)

BTEX 8021B	mg/l	cg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2018 ND		2.00	99.8	2.00	1.23	
'Toluene*	<0.050	0.050	08/28/2018 ND		1.94	97.0	2.00	3.80	
Ethylbenzene*	<0.050	0,050	08/28/2018	ND	1,96	98,2	2,00	2,67	
Total Xylenes*	<0.150	0.150	08/28/2018	ND	5.93	98.8	6.00	2.80	
Total BTEX	<0.300	0.300	08/28/2018	ND					
Surrogate: 4-Bromofluorobenzene (PII:			12						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: AC					
Analyte	Result Reporting Limi		Analyzed Method Blank		BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1460 16.0		08/28/2018 ND		432	108	400	0.00	
TPH 8015M	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Hmit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO CG-C10*	<10.0	10.0	08/28/2018	ND	217	108	200	3.27	
DRO >C10-C28*	<10.0	10.0	08/28/2018 ND		226	113	200	10.0	
EXT DRO >C28-C36	<10,0	10,0	08/28/2018	ND					
Surrogate: 1-Chlorooctane	92.9 %	41-142							
Surrogate: 1-Chlorooctadecane	90.8 %	37.6-147	,						

Cardinal Laboratories

Received by OCD: 4/14/2023 9:36:16 AM

*=Accredited Analyte

FLEXET MOTTE: Limitly and Damages. Cardina's habity and charts exclusive namedy for any claim sixing, whether based in carboal or lost, shall be limited to the amount good by claim for anylogistic and any other carbos with the decrease whethere when the carbon control of the applicable service. In no event shall Cardinal be liable for incidental demands, which make anylogistic liable performance of the services becomes been by Cardinal services of whether such mining three days on any of the above strict manages are character of the services between Results rather only to the services becomes a control of the services are character of the services becomes a rectangle of whether such mining three days of the above strict manages are retinavous. Results rather only to the services becomes a retinavous provided and any of the above strict manages are retinavous.

College Detrimo --



Notes and Definitions

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.
448	Insufficient time to reach temperature.
	Chloride by SM4500CI-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

Received by OCD: 4/14/2023 9:36:16 AM

*=Accredited Analyte

PUBLIC MOTE: Littley and Durages. Cardwalls beliefly and clern's codesive extends for any dain oxiding, whether based in content or test, shell be finited to the amount pold by chem for analyses. All dance, inducing those for neighboring and price and any other cause inhabitory, which is decrease continued in the applicable senter. In me ment which Cardwall be hable for integrated arranges, included, without his basic policy for a successor and or cardwall inhabitory, business littlengation, loss of use, or loss of policy included by Geter, its substitution, business and the inhabitory of the cardwall inhabitory or an expectation of the performance of the services hereafted by Cardwall regardless of whether such chart is based upon may of the above tabled coasson or otherwise. Business policy table and be reproduced except in the latter written approach of Cardwall absorptions.

Colleg Distract

Celey D. Keene, Lab Director/Quality Manager

Temperature Upon Receipt

4.4° #67 12



Page 9 of 9

ARDINAL LABORATORIES

17 East Marland, Hobbs, NM 88240	(505) 393-2326 FAX (505) 383-2476	
lanager: Robert Asher		Project Name: Link BKT Federal #187 (5 3 2 6 4)

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager:	Robert Asher		Project Name: Link BKT Federal #147 (S 3 & 9 4)
Company Name	EOG Resources, Inc.		Project #: 30-015-36399
Company Address: 104 South 4th Street	104 South 4th Street		Project Loc: Eddy County
City/State/Zip:	Artesia. NM 88210		PO #: 205632
Telephone No:	575-748-4171	Fax No:	Report Format: X Standard TRRP NPDES
Sampler Signature:	Cua Cua.	e-mail:	robert_asher@eogresources.com

elinqui	Kelinqui		Relinqui		Special			6	S	4	U	2	_	LAB# (lab use only)	ORDER #:		(lab use only)
Relinquished by:	Relinquished by:		Relinquished by Com		Special Instructions: TPH	24 HR TAT PLEASE.		\$4.3	\$4.2	\$4.1	83.3	\$3.2	\$3.1	FIELD CODE	R# F802 CES		(vino:
Date	Date	08/25/16	Date		Extended F	te de de									-		
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Time	lime	7:52 AM	Time		e. AL			ω	15	يد	ω	Ŋ	-7	Ending Dopth			
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September 20, 2018

ROBERT ASHER
EOG Y RESOURCES, INC
105 SOUTH 4TH STREET
ARTESIA, NM 88210

RE: LINK BKT FEDERAL #1HY (S 4)

Enclosed are the results of analyses for samples received by the laboratory on 09/19/18 15:00,

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/ga/lab-accred-certif.html.

Cardinal Laboratories is accreditated 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.

Celeg D. Keine

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

Received by OCD: 4/14/2023 9:36:16 AM

Lab Director/Quality Manager



Analytical Results For:

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

Received:

09/19/2018

Reported:

09/20/2018

Project Name: Project Number: LINK BKT FEDERAL #1HY (S 4)

Project Location:

30-015-36399 EDDY CO NM

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

09/19/2018

Soil ** (See Notes)

Jodi Henson

Sample ID: S 4. 4 (H802648-01)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyte

Result Reporting Limit

Analyzed

Method Blank ND

85

% Recovery True Value QC RPD

Qualifier

Chloride

Chloride

544

Result

576

16.0

09/20/2018

416

104

400

3,77

Sample ID: S 4, 5 (H802648-02)

Analyte

Chloride, 5M4500CI-B

mg/kg

Analyzed By: AC

09/20/2018

Analyzed

Method Blank ND

BS. 416 % Recovery 104

True Value QC

100

Qualifier

Sample ID: S 4. 7 (H802648-03)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyte

Result Reporting Limit

Analyzed

Method Blank ND

BS 416 % Recovery

True Value OC

RPD

Qualifier

Chloride

Chloride

Received by OCD: 4/14/2023 9:36:16 AM

1260

Result

224

16,0

Reporting Limit

16.0

Reporting Limit

16.0

09/20/2018

Analyzed

09/20/2018

104

400

3.77

RPD

3.77

Sample ID: S 4. 9 (H802648-04)

Analyte

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Method Blank

ND

BS 416

% Recovery

104

True Value QC 400

RPD 3.77

Qualifier

Cardinal Laboratories

*=Accredited Analyte

PLEAST NOTE: Library and therapea. Conducts liability and clearly need clearly need clearly ended in contract or tot, shell be finited to the amount point by clear for analysis of Library those for magazines and may other course wholespeer shell be described unless mode in willing and recolled by Conductal within they (30) days after completion of the applicable service. In me seem shell Candral the limits for management distances, including a plant in the conductance of the service the limits of the performance of the services because the services because the services are conserved. The report shell not be reported and the services of the services are conserved. The report shell not be reported entirely in the shell need to be serviced and confidences.

College Intrame -

RPD



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

Notes and Definitions

The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch QR-03.

accepted based on LCS and/or LCSD recovery and/or RPD values.

Analyte NOT DETECTED at or above the reporting limit ND 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 Laboratorles

Received by OCD: 4/14/2023 9:36:16 AM

*=Accredited Analyte

FIRMS NOTE: Unsafey and Damages. Cannoth habity and Charts endower randoly for any claim storing, whether based in centural or test, shall be limited to the amount grid by clean for control charts, including those for negligence and any other course unbetween shall be determed waters unline made in writing and received by Cantoni white thirty (50) days after completion of the applicable service. On no court while Cardinal be lesse for included in made in writing and control of the service included by clean of the service included in the performance of the services because by Cantoni, regardless of unbelow such district based upon any of the above stated reasons or otherwise. Results relate only to the samples identified district. This report shall not be reproduced except in fell will written approach of Cardinal Laboratories.

College Detrema-

Relinquished by:

Date

Time

Received by ELOT:

Date

Time

Temperature Upon Receipt: 8.6

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

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6 8	Pa

ARDINAL LABORATORIES

101 East Mariand, Hobbs, NM 88240	88240 (505) 393-2326 FAX (505) 393-2476	
Project Manager: Robert Asher		Project Name: Link BKT Federal #1HY (S 4)
Company Name EOG Resources, Inc.	s, Inc.	Project #: 30-015-36399

Sampler Signature:	Telephone No:	City/State/Zip:	Company Address:	Company Name	Project Manager:
CALL.	575-748-4171	Artesia, NM 88210	Company Address: 104 South 4th Street	EOG Resources, Inc.	Robert Asher
e-mail: robert_asher@eogresources.com	Fax No:		· ·		
ogresources.com	Report Format X Standard TRRP NPDES	PO 非 205632	Project Loc: Eddy County	Project #: 30-015-36399	Project Name: Link BKT Federal #1HY (S 4)

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Appendix E

Oeog resources

Form C-141 Initial Report

Released to Imaging: 4/17/2023 11:17:07 AM

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

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised April 3, 2017

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Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19,15,29 NMAC.

Release Notification and Corrective Action

				OP	ERATOR			
Name of Company		-00	GRID Numb	1	Cantant		⊠ Ir	nitial Report 🔲 Final Repo
EOG Y Resources, In	C.		5575	7.7	Contact Robert Ash	ar.		
Address			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Telephone			
104 S. 4th Street Artes	ia NM 882	10			575-748-14			
Pacility Name					Facility Typ			
Link BKT Federal Co	m#IHY				Battery	7 N		
Surface Owner			Mineral (Owner			API	No
Private			Federal					15-36399
			LOC	ATIO	N OF RE	TRASE		
Unit Letter Section	Township	Range F	eet from the		South Line	Feet from the	East/West Lin	County
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							202	
Type of Release			IVA	UKE	OF RELI		[Walum	c Recovered
Produced Water					209 B/PW	reicase	60 B/P	
Source of Release						our of Occurrence	c Date ar	d Hour of Discovery
Fiberglass Tank Was Immediate Notice G	the same of				8/4/18; 12		8/4/18;	9:20 AM
Was immediate Notice C		Yes N	o [] Not R	controd	If YES, To	Whom? r/NMOCD II & J	Culawald/Cont.	P.
By Whom?		190 - 19	о 🖂 посто	equilou	Date and H		. driswoid/satte	(PC
Robert Asher/EOG Y Re	sources, Inc.				8/5/2018; 6			
Was a Watercourse Reac	hcd?					lume Impacting t	he Watercourse,	
		Yes 🛛 N	0	1	A	The contract of the second		
If a Watercourse was Imp	nacted, Descri	be Fully.*	N/A		<u> </u>			
Describe Cause of Proble Fiberglass produced wate				truck(s)	were called.			-
Describe Area Affected a	nd Cleanum A	ction Taken	-					
The impacted area is appr	oximately 35	' X 85' within	the bermed/	lined of t	he battery. T	he effected tank I	nas been remove	d with other effected equipment
involved in the lightning s to expose the battery/pad	strike and fire	. There are tw	o portions of	the liner	that were bu	ned/melted in the	fire, those porti	ons of liners have been removed
							5.4.1.00/AV	
revulations all onerators a	normation giv	ven above is to report and/or	rue and comp. : file certain r	icte to th	e best of my l	cnowledge and ur	iderstand that pu	rsuant to NMOCD rules and eleases which may endanger
public health or the enviro	onment. The	acceptance of	a C-141 repo	rt by the	NMOCD ma	rked as "Final Re	port" does not re	lieve the operator of liability
should their operations ha	ve failed to ac	dequately inve	estigate and re	mediate	contamination	n that pose a thre	at to ground wat	er, surface water, human health
or the environment. In ad federal, state, or local law	dition, NMO	CD acceptanc	e of a C-141	eport do	cs not relieve	the operator of re	esponsibility for	compliance with any other
	AO					OIL CONS	ERVATION	DIVISION
Printed Name: Robert As	g ·			A	pproved by I	invironmental Sp	ecialist:	
Fitle: Environmental Sup	crvisor				pproval Date		Expiration	Date:
3-mail Address; Robert_A	Asher@eogre:	sources.com		c	onditions of	Approval:		Attached
Date: August 23, 2018		Pho	ne:575-748-4	217				
ttach Additional Sheets	e If Nanagan	2 110						

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Appendix F

Form C-141 Final Report

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District II

District III

District 1 1625 N. French Dr., Hobbs, NM 88240

1000 Rio Brazos Road, Aztec, NM 87410

1220 S. St. Francis Dr., Santa Fc, NM 87505

811 S. First St., Artesia, NM 88210

State of New Mexico Energy Minerals and Natural Resources

Revised April 3, 2017

Form C-141

Released to Imaging: 4/17/2023 11:17:07 AM

Oil Conservation Division 1220 South St. Francis Dr. Santa Fo. NIM 97505

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

				1341	na re, ivivi o7	303				
			Rele	ease Notifica	ation and C OPERATOR				57	20 12
								Initial Report		Final Repor
Name of C				OGRID Number	Contact					
EOG Y Re	sources, In	ic.		25575	Robert Ash	100				
Address					Telephone					
		ia NM 882	10		575-748-14	2-27-24				
Facility Na					Facility Ty	pe				
Link BKT	Federal Co	m#IIIY			Battery					
Surface Ov	vner			Mineral Ov	vner		Al	I No.		
Private	A			Federal			30	-015-36399		
				LOCA'	TION OF RE	LEASE				
Unit Letter	Section 18	Township 16S	Rauge 25E		North/South Line North	Feet from the	East/West L	ine County Eddy		•
	<i></i>		La	titude <u>32.925193</u> NATU	8 Longitude <u>-1</u>		7D83	a se		
Type of Rele	ease				Volume o		Volu	ime Recovered		
Produced W	ater				209 B/PW	r	60 B	/PW		
Source of Ro	elease				Date and	Hour of Occurren	ce Date	and Hour of Dis	covery	4.5
Fiberglass T					8/4/18; 1:		8/4/1	18; 9:20 AM		
Was Immedi	ate Notice		Yes 🗆	No 🗌 Not Req	uired M. Bratch	o Whom? er/NMOCD II &	J. Griswold/Sa	ınta Fe		
By Whom?					Date and I					
		esources, Inc.			8/5/2018;					
Was a Water	course Rea	ched?	Yes 🖂	No	IFYES, V	olume Impacting	the Watercour	se.		

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.

Fiberglass produced water tank was struck by lightning. Vacuum truck(s) were called.

Describe Area Affected and Cleanup Action Taken.

The impacted area is approximately 35' X 85' within the bermed/lined of the battery. The effected tank has been removed with other effected equipment involved in the lightning strike and fire. There are two portions of the liner that were burned/melted in the fire, those portions of liners have been removed to expose the battery/pad material. Depth to Ground Water: >100' (approximately 110.75', per USGS & NMOSE Water Well Data), Wellhead Protection Area: No, Distance to Surface Water Body: > 1000', SITE RANKING IS 0. Based on Closure Report, EOG Resources requests closure.

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

federal, state, or local laws and/or registing		OIL CON	SERVATION	DIVISION
Printed Name: Robert Asher		Approved by Environmental	Specialist:	
Title: Environmental Supervisor		Approval Date;	Expiration	Date:
E-mail Address: bob_asher@eogreso	urces.com	Conditions of Approval:		Attached
Date: August 23, 2018	Phone:575-748-4217			State of the State

Attach Additional Sheets If Necessary

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

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

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

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

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

CONDITIONS

Action 207856

CONDITIONS

Operator:	OGRID:
EOG Y RESOURCES, INC.	25575
104 S 4th St	Action Number:
Artesia, NM 88210	207856
	Action Type:
	[IM-SD] Admin Order Support Doc (ENV) (IM-BAO)

CONDITIONS

Create By		Condition Date
bhal	I None	4/17/2023