

District I •  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

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

OIL CONS. DIV DIST. 3

JUN 27 2016

Form C-141  
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Burlington Resources Oil & Gas Co.	Contact Bobby Spearman
Address 3401 East 30 <sup>th</sup> St, Farmington, NM	Telephone No. (505)-320-3045
Facility Name: Johnston A 15	Facility Type: Gas well

Surface Owner: State	Mineral Owner: Fed	API No. 3003920538
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LOCATION OF RELEASE

Unit Letter I	Section 36	Township 26N	Range 6W	Feet from the 1460	North/South Line South	Feet from the 800	East/West Line East	County Rio Arriba
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Latitude 36.439970 Longitude -107.41253

NATURE OF RELEASE

Type of Release Hydrocarbon	Volume of Release Unknown	Volume Recovered None
Source of Release BGT	Date and Hour of Occurrence Unknown	Date and Hour of Discovery Unknown
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

Historic contamination was encountered after a soil sample was taken on 3-18-16

Describe Area Affected and Cleanup Action Taken.

Delineation of the BGT area on 4-18-16 indicates a 10'X10 x 5' area that will be excavated to at or below action levels.

Area to be excavated is currently scheduled for 8-8-16

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

Signature: <i>RSpearman</i>	OIL CONSERVATION DIVISION	
Printed Name: Bobby Spearman	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Field Environmental Specialist	Approval Date: 6/30/2016	Expiration Date:
E-mail Address: Robert.E.Spearman@conocophillips.com	Conditions of Approval:	
Date: 6-23-16 Phone: (505) 320-3045	Attached <input type="checkbox"/>	

Sample Area TPH, BTEX, Chlorides  
NUF1618248307

\* Attach Additional Sheets If Necessary



Field Sampling Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL			100	100
SB-1	4/19/16	2.0	0.0	NA
		4.0	0.0	26.8
		6.0	0.0	<20.0
		8.0	0.0	25.2
		10.0	0.0	<20.0
SB-2	4/19/16	12.0	0.0	<20.0
		4.0	0.0	NA
		6.0	0.0	20.4
		8.0	0.0	NA
SB-3	4/19/16	10.0	0.0	NA
		12.0	0.0	<20.0
		4.0	0.0	NA
		8.0	0.0	<20.0
SB-4	4/19/16	10.0	0.0	NA
		12.0	0.0	<20.0
		4.0	0.0	NA
		6.0	0.0	<20.0
		8.0	0.0	NA
		10.0	0.0	NA
		12.0	0.0	<20.0

NA - NOT ANALYZED

Laboratory Analytical Results					
Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH (mg/kg)
NMOCD ACTION LEVEL			10	50	100
S-1	3/18/16	4.5	<2.4	477	11,000

ALL SAMPLES WERE ANALYZED PER USEPA METHOD 8021B AND 418.1.

#### LIMITATIONS

1. STORMWATER ACCUMULATION PROHIBITED CONTINUED DELINEATION OF S-1
2. MAXIMUM EXTENT OF VERTICAL DELINEATION WAS ACHIEVED UTILIZING HAND AUGER INVESTIGATION.

#### NOTES AND RECOMMENDATIONS

1. NMOCD RISK RANK IS "20". ACTION LEVEL IS: 100 mg/kg TPH; 10 mg/kg BENZENE; AND 50 mg/kg TOTAL BTEX.
2. INITIAL RECOMMENDED EXCAVATED AREA WOULD BE APPROXIMATELY 10 FEET W X 10 FEET L X 5 FEET DEEP OR BOTTOM OF CONTAMINATED SOIL.
3. REMOVE ALL VISIBLY STAINED SOILS.
4. USE OVM-PID ACTION LEVEL OF 100 ppm AND ON SITE FIELD SCREENING TO DETERMINE FINAL EXCAVATION EXTENTS.
5. FOLLOWING COMPLETION OF EXCAVATION, COLLECT ADDITIONAL SAMPLES FOR CONFIRMATION.

JOHNSTON A15 WELL MONUMENT

FORMER SEPARATOR

FORMER METER HOUSE

SB-1

FORMER BELOW GRADE TANK  
RELEASE LOCATION  
N36.43997, W107.41248

SB-3

SB-4

SB-2

RECOMMENDED EXCAVATION AREA  
10 FT W X 10 FT L X 5 FT DEEP OR BOTTOM OF CONTAMINATED SOIL

FIGURE 3

INITIAL ASSESSMENT SAMPLE  
LOCATIONS, RESULTS, AND  
RECOMMENDATIONS  
APRIL 2016  
ConocoPhillips  
JOHNSTON A15  
NE¼ SE¼, SECTION 36, T26N, R6W  
RIO ARriba COUNTY, NEW MEXICO  
N36.44002, W107.41254



animas  
environmental  
services  
Farmington, NM • Durango, CO  
animasenvironmental.com

DRAWN BY:  
C. Lamean

DATE DRAWN:  
April 20, 2016

REVISIONS BY:  
C. Lamean

DATE REVISED:  
April 20, 2016

CHECKED BY:  
E. Skyles

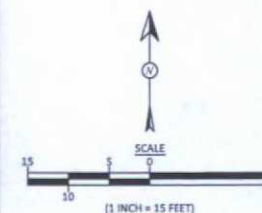
DATE CHECKED:  
April 20, 2016

APPROVED BY:  
E. McNally

DATE APPROVED:  
April 20, 2016

#### LEGEND

● SOIL BORING LOCATIONS





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

March 30, 2016

Emilee Skyles  
Animas Environmental  
604 Pinon Street  
Farmington, NM 87401  
TEL: (505) 564-2281  
FAX

RE: COPC JOHNSTON A 15

OrderNo.: 1603A09

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/19/2016 for the analyses presented in the following report.

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

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109



# Analytical Report

Lab Order 1603A09

Date Reported: 3/30/2016

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: S-1

Project: COPC JOHNSTON A 15

Collection Date: 3/18/2016 1:06:00 PM

Lab ID: 1603A09-001

Matrix: SOIL

Received Date: 3/19/2016 11:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 418.1: TPH</b>							Analyst: <b>TOM</b>
Petroleum Hydrocarbons, TR	11000	1900		mg/Kg	100	3/23/2016	24342
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SRM</b>
Chloride	ND	30		mg/Kg	20	3/26/2016 10:50:28 PM	24454
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	2.4		mg/Kg	100	3/22/2016 5:45:46 PM	24355
Toluene	20	4.7		mg/Kg	100	3/22/2016 5:45:46 PM	24355
Ethylbenzene	17	4.7		mg/Kg	100	3/22/2016 5:45:46 PM	24355
Xylenes, Total	440	9.5		mg/Kg	100	3/22/2016 5:45:46 PM	24355
Surr: 4-Bromofluorobenzene	126	80-120	S	%Rec	100	3/22/2016 5:45:46 PM	24355

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1603A09

30-Mar-16

Client: Animas Environmental  
Project: COPC JOHNSTON A 15

Sample ID	MB-24454	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	24454	RunNo:	33106					
Prep Date:	3/26/2016	Analysis Date:	3/26/2016	SeqNo:	1016110	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-24454	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	24454	RunNo:	33106					
Prep Date:	3/26/2016	Analysis Date:	3/26/2016	SeqNo:	1016111	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.5	90	110			

## Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
R RPD outside accepted recovery limits  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Detection Limit  
W Sample container temperature is out of limit as specified

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1603A09

30-Mar-16

Client: Animas Environmental  
Project: COPC JOHNSTON A 15

Sample ID	MB-24342	SampType:	MBLK	TestCode:	EPA Method 418.1: TPH					
Client ID:	PBS	Batch ID:	24342	RunNo:	32998					
Prep Date:	3/21/2016	Analysis Date:	3/23/2016	SeqNo:	1012149	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	LCS-24342	SampType:	LCS	TestCode:	EPA Method 418.1: TPH					
Client ID:	LCSS	Batch ID:	24342	RunNo:	32998					
Prep Date:	3/21/2016	Analysis Date:	3/23/2016	SeqNo:	1012150	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	110	20	100.0	0	109	83.4	127			

Sample ID	LCSD-24342	SampType:	LCSD	TestCode:	EPA Method 418.1: TPH					
Client ID:	LCSS02	Batch ID:	24342	RunNo:	32998					
Prep Date:	3/21/2016	Analysis Date:	3/23/2016	SeqNo:	1012151	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	100	20	100.0	0	105	83.4	127	3.98	20	

## Qualifiers:

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank           |
| D Sample Diluted Due to Matrix                          | E Value above quantitation range                            |
| H Holding times for preparation or analysis exceeded    | J Analyte detected below quantitation limits                |
| ND Not Detected at the Reporting Limit                  | P Sample pH Not In Range                                    |
| R RPD outside accepted recovery limits                  | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |



# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1603A09

30-Mar-16

Client: Animas Environmental  
Project: COPC JOHNSTON A 15

Sample ID	MB-24355		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	24355		RunNo:	32985			
Prep Date:	3/21/2016		Analysis Date:	3/22/2016		SeqNo:	1011677		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		111	80	120			

Sample ID	LCS-24355		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	24355		RunNo:	32985			
Prep Date:	3/21/2016		Analysis Date:	3/22/2016		SeqNo:	1011678		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.9	75.3	123			
Toluene	0.89	0.050	1.000	0	88.8	80	124			
Ethylbenzene	0.92	0.050	1.000	0	91.7	82.8	121			
Xylenes, Total	2.7	0.10	3.000	0	90.6	83.9	122			
Surr: 4-Bromofluorobenzene	1.1		1.000		111	80	120			

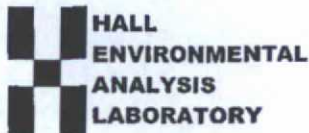
Sample ID	1603A01-001AMS		SampType:	MS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	BatchQC		Batch ID:	24355		RunNo:	32985			
Prep Date:	3/21/2016		Analysis Date:	3/22/2016		SeqNo:	1011680		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.023	0.9381	0.01203	93.7	71.5	122			
Toluene	0.89	0.047	0.9381	0.01902	92.9	71.2	123			
Ethylbenzene	0.98	0.047	0.9381	0.04876	99.8	75.2	130			
Xylenes, Total	3.4	0.094	2.814	0.4616	106	72.4	131			
Surr: 4-Bromofluorobenzene	1.1		0.9381		120	80	120			S

Sample ID	1603A01-001AMSD		SampType:	MSD		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	BatchQC		Batch ID:	24355		RunNo:	32985			
Prep Date:	3/21/2016		Analysis Date:	3/22/2016		SeqNo:	1011681		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.024	0.9515	0.01203	93.4	71.5	122	1.07	20	
Toluene	0.91	0.048	0.9515	0.01902	93.7	71.2	123	2.25	20	
Ethylbenzene	0.99	0.048	0.9515	0.04876	99.3	75.2	130	0.854	20	
Xylenes, Total	3.4	0.095	2.854	0.4616	103	72.4	131	1.27	20	
Surr: 4-Bromofluorobenzene	1.2		0.9515		123	80	120	0	0	S

### Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
R RPD outside accepted recovery limits  
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank  
E Value above quantitation range  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Detection Limit  
W Sample container temperature is out of limit as specified



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

## Sample Log-In Check List

Client Name: Animas Environmental

Work Order Number: 1603A09

RcptNo: 1

Received by/date:

Logged By: Joe Archuleta

3/19/2016 11:00:00 AM

Completed By: Joe Archuleta

3/19/2016 12:08:38 PM

Reviewed By:

### Chain of Custody

1. Custody seals intact on sample bottles?
2. Is Chain of Custody complete?
3. How was the sample delivered?

Yes ☐

No ☐

Not Present ☒

Yes ☒

No ☐

Not Present ☐

Courier

### Log In

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

Yes ☒

No ☐

NA ☐

Yes ☒

No ☐

NA ☐

Yes ☒

No ☐

Yes ☒

No ☐

Yes ☒

No ☐

Yes ☐

No ☒

NA ☐

Yes ☐

No ☐

No VOA Vials ☒

Yes ☐

No ☒

# of preserved  
bottles checked  
for pH:

Yes ☒

No ☐

(<2 or >12 unless noted)

Yes ☒

No ☐

Adjusted?

Yes ☒

No ☐

Yes ☒

No ☐

Checked by:

### Special Handling (if applicable)

16. Was client notified of all discrepancies with this order?

Yes ☐

No ☐

NA ☒

Person Notified:

Date

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

### 18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.1	Good	Yes			



