

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 CONS. DIV DIST. 3

Form C-141  
Revised August 8, 2011

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

JUN 22 2016

Submit 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: Phillips Com1E	Facility Type: Gas well

Surface Owner: FEE	Mineral Owner: Fed	API 3004524198
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LOCATION OF RELEASE

Unit Letter K	Section 23	Township 31N	Range 13W	Feet from the 1650	North/South Line South	Feet from the 1700	East/West Line West	County San Juan
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Latitude 36.882646 Longitude -108.176456

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 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 3-15-16

Describe Area Affected and Cleanup Action Taken.

Delineation of the BGT area on 4-18-16 indicates a 17' X 33' x 5' area that will be excavated to at or below action levels.  
Area to be excavated is currently scheduled for 8-15-16

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>R. Spearman</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:	Attached <input type="checkbox"/>
Date: 6-23-16 Phone: (505) 320-3045	NUF 1618247899	

\* Attach Additional Sheets If Necessary

Sample Area For  
TPH, BTEX, Chlorides



**FIGURE 3**

**INITIAL ASSESSMENT SAMPLE LOCATIONS, RESULTS, AND RECOMMENDATIONS MARCH AND APRIL 2016**  
 ConocoPhillips  
 PHILLIPS COM #1E  
 NE¼ SW¼, SECTION 23, T31N, R13W  
 SAN JUAN COUNTY, NEW MEXICO  
 N36.88279, W108.17654



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

<b>DRAWN BY:</b> S. Glasses	<b>DATE DRAWN:</b> April 18, 2016
<b>REVISIONS BY:</b> D. Dougl	<b>DATE REVISED:</b> April 28, 2016
<b>CHECKED BY:</b> E. Skyles	<b>DATE CHECKED:</b> April 28, 2016
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> April 28, 2016

**LEGEND**

● SOIL BORING LOCATIONS

Field Sampling Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL		100	100	
SB-1	4/18/16	2.0	0.0	NA
		4.0	404	568
		4.5	2,494	NA
SB-2	4/18/16	2.0	0.0	NA
		3.0	40.1	26.2
		2.0	0.0	NA
SB-3	4/18/16	4.0	4,455	1,470
		2.0	0.0	NA
		2.0	0.0	NA
SB-4	4/18/16	4.0	2,354	1,390
		4.0	0.0	<20.0
		4.0	0.0	<20.0
SB-5	4/18/16	4.0	0.0	<20.0
SB-6	4/18/16	4.0	0.0	<20.0
SB-7	4/18/16	3.75	508	67.0
SB-8	4/18/16	2.0	0.0	<20.0
SB-9	4/18/16	3.5	0.0	<20.0
SB-10	4/18/16	1.0	0.0	<20.0
SB-11	4/18/16	4.0	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	3/14/16	5.0	<1.2	302	2,700

ALL SAMPLES WERE ANALYZED PER USEPA METHOD 8021B AND 418.

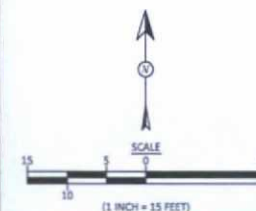
ALL SAMPLES WERE ANALYZED PER USEPA METHOD 8021B AND 418.1.

**LIMITATIONS**

1. SATURATED CONDITIONS NOTED WITHIN GRAVEL AT THE BASE OF SB-1 AND DURING COLLECTION OF S-1 AT 5 FEET BGS.

**NOTES AND RECOMMENDATIONS**

- NMOCD RISK RANK IS "20". ACTION LEVEL IS: 100 mg/kg TPH; 10 mg/kg BENZENE; AND 50 mg/kg TOTAL BTEX.
- ALL SOIL BORINGS WERE TERMINATED ON SANDSTONE RANGING FROM APPROXIMATELY 1 FEET TO 4.5 FEET BGS.
- INITIAL RECOMMENDED EXCAVATED AREA WOULD BE APPROXIMATELY 17 FEET W X 33 FEET L X 1 TO 5 FEET DEEP OR TO SANDSTONE.
- REMOVE ALL VISIBLY STAINED SOILS.
- USE OVM-PID ACTION LEVEL OF 100 ppm AND ON SITE FIELD SCREENING TO DETERMINE FINAL EXCAVATION EXTENTS.
- FOLLOWING COMPLETION OF EXCAVATION, COLLECT ADDITIONAL SAMPLES FOR CONFIRMATION.





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 23, 2016

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

RE: COPC PHILLIPS COM 1E

OrderNo.: 1603707

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/15/2016 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", is written over a horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

# Analytical Report

Lab Order 1603707

Date Reported: 3/23/2016

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: S-1

Project: COPC PHILLIPS COM 1E

Collection Date: 3/14/2016 10:16:00 AM

Lab ID: 1603707-001

Matrix: SOIL

Received Date: 3/15/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 418.1: TPH</b>							Analyst: TOM
Petroleum Hydrocarbons, TR	2700	200		mg/Kg	10	3/18/2016	24299
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LGT
Chloride	ND	30		mg/Kg	20	3/21/2016 11:06:08 PM	24365
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	1.2		mg/Kg	50	3/16/2016 8:47:15 AM	24254
Toluene	7.6	2.4		mg/Kg	50	3/16/2016 8:47:15 AM	24254
Ethylbenzene	24	2.4		mg/Kg	50	3/16/2016 8:47:15 AM	24254
Xylenes, Total	270	4.7		mg/Kg	50	3/16/2016 8:47:15 AM	24254
Surr: 4-Bromofluorobenzene	134	80-120	S	%Rec	50	3/16/2016 8:47:15 AM	24254

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#: 1603707

23-Mar-16

Client: Animas Environmental  
Project: COPC PHILLIPS COM 1E

Sample ID	MB-24365	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	24365	RunNo:	32963					
Prep Date:	3/21/2016	Analysis Date:	3/21/2016	SeqNo:	1011048	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-24365	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	24365	RunNo:	32963					
Prep Date:	3/21/2016	Analysis Date:	3/21/2016	SeqNo:	1011049	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.5	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#: 1603707

23-Mar-16

Client: Animas Environmental  
Project: COPC PHILLIPS COM 1E

Sample ID	MB-24299	SampType:	MBLK	TestCode:	EPA Method 418.1: TPH					
Client ID:	PBS	Batch ID:	24299	RunNo:	32887					
Prep Date:	3/17/2016	Analysis Date:	3/18/2016	SeqNo:	1008187	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-24299	SampType:	LCS	TestCode:	EPA Method 418.1: TPH					
Client ID:	LCSS	Batch ID:	24299	RunNo:	32887					
Prep Date:	3/17/2016	Analysis Date:	3/18/2016	SeqNo:	1008188	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	97	20	100.0	0	96.8	83.4	127			

Sample ID	LCSD-24299	SampType:	LCSD	TestCode:	EPA Method 418.1: TPH					
Client ID:	LCSS02	Batch ID:	24299	RunNo:	32887					
Prep Date:	3/17/2016	Analysis Date:	3/18/2016	SeqNo:	1008189	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	101	83.4	127	4.29	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#: 1603707

23-Mar-16

Client: Animas Environmental  
Project: COPC PHILLIPS COM 1E

Sample ID	MB-24254		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	24254		RunNo:	32841			
Prep Date:	3/15/2016		Analysis Date:	3/16/2016		SeqNo:	1006591		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		110	80	120			

Sample ID	LCS-24254		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	24254		RunNo:	32841			
Prep Date:	3/15/2016		Analysis Date:	3/16/2016		SeqNo:	1006592		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	107	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		116	80	120			

Sample ID	1603706-001AMS		SampType:	MS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	BatchQC		Batch ID:	24254		RunNo:	32841			
Prep Date:	3/15/2016		Analysis Date:	3/16/2016		SeqNo:	1006594		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.024	0.9551	0	101	71.5	122			
Toluene	0.96	0.048	0.9551	0	101	71.2	123			
Ethylbenzene	1.0	0.048	0.9551	0	107	75.2	130			
Xylenes, Total	3.1	0.096	2.865	0	109	72.4	131			
Surr: 4-Bromofluorobenzene	1.1		0.9551		117	80	120			

Sample ID	1603706-001AMSD		SampType:	MSD		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	BatchQC		Batch ID:	24254		RunNo:	32841			
Prep Date:	3/15/2016		Analysis Date:	3/16/2016		SeqNo:	1006595		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9785	0	104	71.5	122	5.32	20	
Toluene	0.98	0.049	0.9785	0	100	71.2	123	2.16	20	
Ethylbenzene	1.0	0.049	0.9785	0	104	75.2	130	0.738	20	
Xylenes, Total	3.1	0.098	2.935	0	104	72.4	131	2.15	20	
Surr: 4-Bromofluorobenzene	1.2		0.9785		120	80	120	0	0	S

## 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



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: 1603707

ReptNo: 1

Received by/date:

Logged By: Lindsay Mangin

3/15/2016 8:00:00 AM

Completed By: Lindsay Mangin

3/15/2016 8:54:24 AM

Reviewed By:

### Chain of Custody

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

### Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH: \_\_\_\_\_  
( $<2$  or  $>12$  unless noted)  
Adjusted? \_\_\_\_\_  
Checked by: \_\_\_\_\_

### Special Handling (If applicable)

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

Person Notified:

Date

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

17. Additional remarks:

### 18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.9	Good	Yes			

## MULTI-ARMED TRIAL.

☒ Standard ☐ Rush

Project Name:

Project #:

COPC PHILLIPS COM 1E

**Project Manager:**

E. Skyles

Sampler: C4 / ES

On Ice: ☒ Yes ☐ No

Sample Temperature: 7.9

[illegible]

Remarks: Bill to Conoco Phillips
----------------------------------

WO # 21340555

Supervisor: Schaaphok

USERID: GARRECD

Area: 1

Ordered by: Bobby Spearman

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