

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

JUN 27 2016

Form C-141  
Revised August 8, 2011

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

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: SJ 27-4 #82	Facility Type: Gas well
Surface Owner: USFS	Mineral Owner: FED
API 3003920823	

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	26	27N	4W	1800	North	800	East	Rio Arriba

Latitude 36.54680 Longitude -107.214590

**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 4-27-16

Describe Area Affected and Cleanup Action Taken.

Delineation of the BGT area on 5-24-16 indicates a 26' X 38' x 5' area that will be excavated to at or below action levels. Area to be excavated is currently scheduled for September 2016

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>B. Spearman</i>	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Bobby Spearman	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Field Environmental Specialist	Approval Date: 7/6/2016	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	<i>Sample Area For</i>	

\* Attach Additional Sheets If Necessary

*TPH, BTEX, Chlorides  
Remediation must be achieved  
by September 2016.  
NVF1618842967*

**FIGURE 3**

**INITIAL ASSESSMENT SAMPLE LOCATIONS, RESULTS, AND RECOMMENDATIONS**  
**MAY 2016**  
 ConocoPhillips  
 SAN JUAN 27-4 UNIT 82  
 SE¼ NE¼, SECTION 26, T27N, R4W  
 RIO ARriba COUNTY, NEW MEXICO  
 N36.54674, W107.21461

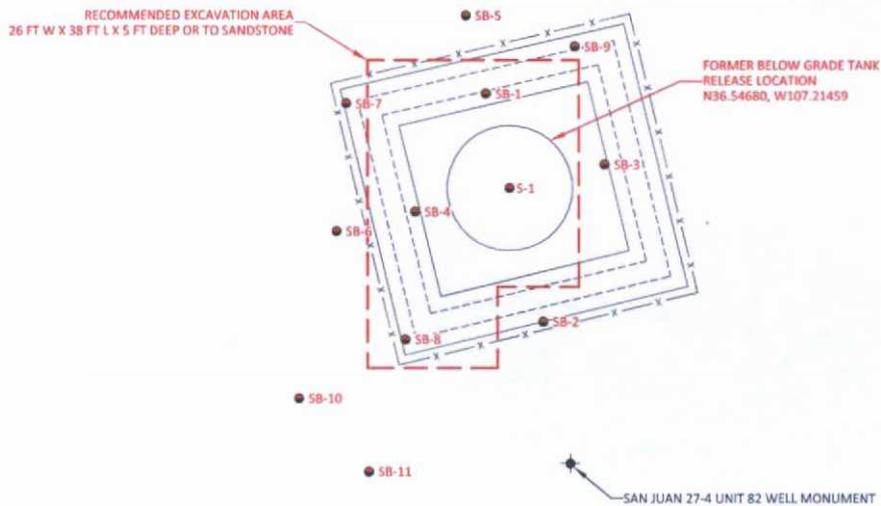
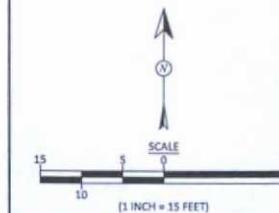


**animas environmental services**  
 Farmington, NM • Durango, CO  
 animasenvironmental.com

<b>DRAWN BY:</b> S. Glasses	<b>DATE DRAWN:</b> May 25, 2016
<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> June 2, 2016
<b>CHECKED BY:</b> E. Skyles	<b>DATE CHECKED:</b> June 2, 2016
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> June 2, 2016

**LEGEND**

- SOIL BORING LOCATION
- FORMER SECONDARY CONTAINMENT BERM
- x- FENCE



Field Screening Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
NMOCD ACTION LEVEL			--	100
SB-1	5/24/16	0.5	0.0	NA
		2	0.0	NA
		3.5	0.0	34.5
		5	2,475	NA
		6	2,810	2,105
SB-2	5/24/16	0.5	0.0	NA
		2	0.0	NA
		3.5	0.0	36.2
		4.5	18.9	79.7
SB-3	5/24/16	0.5	0.0	NA
		2	0.0	NA
		4	90.1	76.4
SB-4	5/24/16	0.5	0.0	NA
		2	0.0	NA
		3.5	2,374	NA
		4	2,329	5,220
SB-5	5/24/16	0.5	0.9	NA
		2	0.0	NA
		4	0.0	<20.0
SB-6	5/24/16	0.5	0.0	NA
		2	0.0	NA
		3.5	1.1	NA
		5	0.0	<20.0
SB-7	5/24/16	0.5	0.0	NA
		2	0.0	NA
		4.5	0.0	<20.0
SB-8	5/24/16	0.5	0.0	NA
		2	0.0	NA
		3.5	3,858	805
SB-9	5/24/16	0.5	0.0	NA
		2	0.0	NA
		3.5	0.0	24.4
SB-10	5/24/16	0.5	0.0	NA
		2	0.0	21.1
SB-11	5/24/16	0.5	0.0	NA
		2	0.0	NA
		3.5	0.0	22.7

NA - NOT ANALYZED

**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. ALL SOIL BORINGS WERE TERMINATED ON SANDSTONE OR DUE TO AUGER REFUSAL AT DEPTHS RANGING FROM 2 FEET TO 4.5 FEET BGS.
3. INITIAL RECOMMENDED EXCAVATED AREA WOULD BE APPROXIMATELY 26 FEET X 38 FEET X 5 FEET DEEP OR TO SANDSTONE.
4. REMOVE ALL VISIBLY STAINED SOILS.
5. USE OVM-PID ACTION LEVEL OF 100 ppm AND ON SITE FIELD SCREENING TO DETERMINE FINAL EXCAVATION EXTENTS.
6. 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)

May 04, 2016

Emilee Skyles

Animas Environmental

604 Pinon Street

Farmington, NM 87401

TEL: (505) 564-2281

FAX

RE: COPC SJ 27-4 Unit 82

OrderNo.: 1604B64

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/27/2016 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 light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Animas Environmental  
**Project:** COPC SJ 27-4 Unit 82  
**Lab ID:** 1604B64-001

**Matrix:** SOIL

**Client Sample ID:** S-1  
**Collection Date:** 4/26/2016 10:50:00 AM  
**Received Date:** 4/27/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 418.1: TPH</b>							Analyst: TOM
Petroleum Hydrocarbons, TR	3100	190		mg/Kg	10	5/3/2016	25029
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LGT
Chloride	ND	30		mg/Kg	20	5/2/2016 3:37:31 PM	25106
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/28/2016 10:40:47 PM	25034
Toluene	ND	0.047		mg/Kg	1	4/28/2016 10:40:47 PM	25034
Ethylbenzene	2.2	0.047		mg/Kg	1	4/28/2016 10:40:47 PM	25034
Xylenes, Total	3.8	0.094		mg/Kg	1	4/28/2016 10:40:47 PM	25034
Surr: 4-Bromofluorobenzene	466	80-120	S	%Rec	1	4/28/2016 10:40:47 PM	25034

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#: 1604B64

04-May-16

Client: Animas Environmental

Project: COPC SJ 27-4 Unit 82

Sample ID	MB-25106	SampType:	mblk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	25106	RunNo:	33940					
Prep Date:	5/2/2016	Analysis Date:	5/2/2016	SeqNo:	1045729	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-25106	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	25106	RunNo:	33940					
Prep Date:	5/2/2016	Analysis Date:	5/2/2016	SeqNo:	1045730	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.1	90	110			

### Qualifiers:

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank           |
| D Sample Diluted Due to Matrix                          | E Value above quantitation range                            |
| H Holding times for preparation or analysis exceeded    | J Analyte detected below quantitation limits                |
| 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#: 1604B64

04-May-16

Client: Animas Environmental

Project: COPC SJ 27-4 Unit 82

Sample ID	MB-25029	SampType:	MBLK	TestCode:	EPA Method 418.1: TPH					
Client ID:	PBS	Batch ID:	25029	RunNo:	33951					
Prep Date:	4/27/2016	Analysis Date:	5/3/2016	SeqNo:	1045945	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-25029	SampType:	LCS	TestCode:	EPA Method 418.1: TPH					
Client ID:	LCSS	Batch ID:	25029	RunNo:	33951					
Prep Date:	4/27/2016	Analysis Date:	5/3/2016	SeqNo:	1045946	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-25029	SampType:	LCSD	TestCode:	EPA Method 418.1: TPH					
Client ID:	LCSS02	Batch ID:	25029	RunNo:	33951					
Prep Date:	4/27/2016	Analysis Date:	5/3/2016	SeqNo:	1045947	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	110	83.4	127	1.24	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#: 1604B64

04-May-16

Client: Animas Environmental

Project: COPC SJ 27-4 Unit 82

Sample ID	MB-25034	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	25034	RunNo:	33850					
Prep Date:	4/27/2016	Analysis Date:	4/28/2016	SeqNo:	1043171	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	0.99		1.000		99.1	80	120			

Sample ID	LCS-25034	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	25034	RunNo:	33850					
Prep Date:	4/27/2016	Analysis Date:	4/28/2016	SeqNo:	1043173	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	106	75.3	123			
Toluene	0.98	0.050	1.000	0	98.4	80	124			
Ethylbenzene	0.92	0.050	1.000	0	92.1	82.8	121			
Xylenes, Total	2.8	0.10	3.000	0	91.7	83.9	122			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

### 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 |

**Sample Log-In Check List**

Client Name: Animas Environmental

Work Order Number: 1604B64

RcptNo: 1

Received by/date:

*AGM* 04/27/16

Logged By: Ashley Gallegos

4/27/2016 7:15:00 AM

*AG*

Completed By: Ashley Gallegos

4/27/2016 10:35:04 AM

*AG*

Reviewed By:

*my* 04/27/16

**Chain of Custody**

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

**Log In**

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

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

**Special Handling (if applicable)**

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

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_  
 By Whom: \_\_\_\_\_ Via:  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	1.3	Good	Not Present			

