

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 th 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.

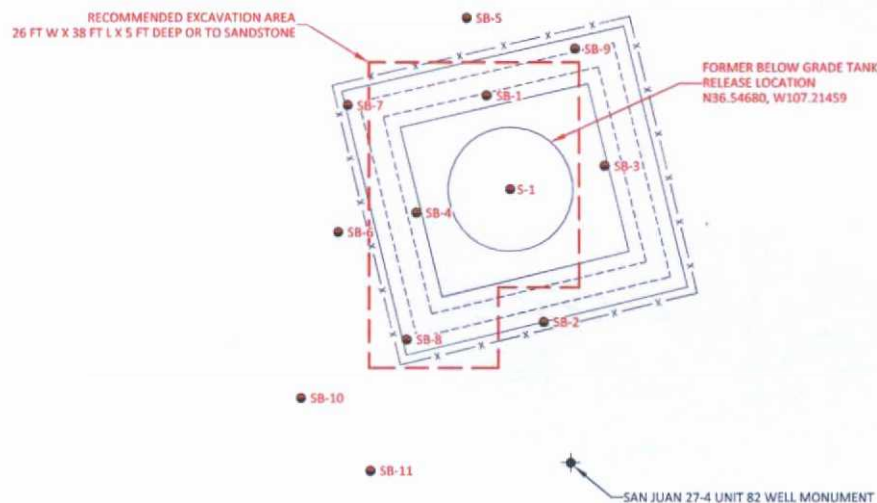
Delineation of the BGT area on 5-24-16 indicates a 26' X 38' x 5' area that will be excavated to at or below action levels.
Area to be excavated is currently scheduled for September 2016

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>	OIL CONSERVATION DIVISION	
Printed Name: Bobby Spearman	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Field Environmental Specialist	Approval Date: 7/16/2016	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	Sample Area For	

* Attach Additional Sheets If Necessary

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



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.

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
SB-2	5/24/16	6	2,810	2,105
		0.5	0.0	NA
		2	0.0	NA
		3.5	0.0	36.2
SB-3	5/24/16	4.5	18.9	79.7
		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	2,274	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
		0.5	0.0	NA
SB-6	5/24/16	2	0.0	NA
		3.5	1.1	NA
		5	0.0	<20.0
		0.5	0.0	NA
SB-7	5/24/16	2	0.0	NA
		4.5	0.0	<20.0
		0.5	0.0	NA
		2	0.0	NA
SB-8	5/24/16	3.5	3,858	805
		0.5	0.0	NA
		2	0.0	NA
		3.5	0.0	24
SB-10	5/24/16	0.5	0.0	NA
		2	0.0	21.1
		0.5	0.0	NA
		2	0.0	NA
SB-11	5/24/16	3.5	0.0	22.7
		NA - NOT ANALYZED		

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

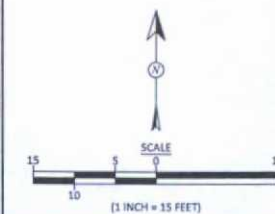


animas
environmental
services
Farmington, NM • Durango, CO
animasenvironmental.com

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

LEGEND

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





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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order 1604B64
Date Reported: 5/4/2016

CLIENT: Animas Environmental

Project: COPC SJ 27-4 Unit 82

Lab ID: 1604B64-001

Client Sample ID: S-1

Collection Date: 4/26/2016 10:50:00 AM

Received Date: 4/27/2016 7:15:00 AM

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH							Analyst: TOM
Petroleum Hydrocarbons, TR	3100	190		mg/Kg	10	5/3/2016	25029
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	5/2/2016 3:37:31 PM	25106
EPA METHOD 8021B: VOLATILES							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



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: 1604B64

RcptNo: 1

Received by/date:

Logged By: Ashley Gallegos

4/27/2016 7:15:00 AM

Completed By: Ashley Gallegos

4/27/2016 10:35:04 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°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	1.3	Good	Not Present			

Ordered by: Bobby Spearman