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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company **Burlington Resources, A Wholly Owned Subsidiary of ConocoPhillips Company**		Contact **Kelsi Harrington**	
Address **3401 E. 30th St., Farmington, NM 87402**		Telephone No. **505-599-3403**	
Facility Name **Bruington 1R**		Facility Type **Gas Well API# 3004524141**	
Surface Owner **Federal**	Mineral Owner **Federal**		Lease No. **SF-078138**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	**20**	**30N**	**11W**	**1520'**	**South**	**1120'**	**East**	**San Juan**

Latitude **36.79465° N** Longitude **-108.00816° W**

30-045-24141

NATURE OF RELEASE

Type of Release – **Unknown**	Volume of Release – **Unknown**	Volume Recovered –
Source of Release: **Below Grade Tank**	Date and Hour of Occurrence **Unknown**	Date and Hour of Discovery **2/2/2011**
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour –	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* **Below grade tank closure.**

Describe Area Affected and Cleanup Action Taken.* **The sample returned results below the regulatory standards for TPH, Benzene and BTEX but above regulatory standard for Chlorides, confirming a release. However, as the total ranking score per the NMOCD Guidelines for Remediation of Leaks, Spills and Releases is 0 points, no further action is required.**

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: Kelsi Harrington	OIL CONSERVATION DIVISION	
Printed Name: **Kelsi Harrington**	Approved by District Supervisor:	
Title: **Environmental Consultant**	Approval Date: 10/11/11	Expiration Date:
E-mail Address: **kelsi.g.harrington@conocophillips.com**	Conditions of Approval:	Attached ☐
Date: **8/31/11** Phone: **505-599-3403**		

* Attach Additional Sheets If Necessary

nJK1129428491

RECEIVED
SEP 2011
OIL CONS. DIV. DIST. 3

11

envirotech

March 7, 2011 Project Number 92115-1586

Ms. Kelsi Harrington
ConocoPhillips
3401 East 30th Street
Farmington, New Mexico 87401 Phone: (505) 599-3403

RE: BELOW-GRADE TANK CLOSURE DOCUMENTATION FOR THE BRUINGTON 1R (HBR) WELL SITE, SAN JUAN COUNTY, NEW MEXICO

Dear Ms. Harrington:

Attached please find the field notes and analytical results for below-grade tank (BGT) closure activities performed at the Bruington 1R (hBr) well site located in Section 20, Township 30 North, Range 11 West, San Juan County, New Mexico. Upon Envirotech personnel's arrival on February 2, 2011, one (1) five (5)-point composite sample was collected from beneath the former BGT; see attached ***Field Notes***. The sample was analyzed in the field for total petroleum hydrocarbons (TPH) using USEPA Method 418.1, and was screened in the field for organic vapors using a photoionization detector (PID) and for chlorides. The sample returned results below the regulatory standards for TPH and organic vapors but above the regulatory standards for chlorides.

Additionally the sample collected was placed into a four (4)-ounce glass jar, capped headspace free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for benzene and BTEX using USEPA Method 8021 and for total chlorides using USEPA Method 4500. The sample returned results below the regulatory standards for benzene and BTEX but above 250 ppm for chlorides confirming a release had occurred; see attached ***Analytical Results***. Envirotech, Inc. recommends following the direction of the NMOCD to remediate this spill.

At the request of Mr. James Howard a sample was also collected from the separator gasket the separator gasket at the above mentioned and transported to Envirotech, Inc. to be analyzed for ACM. The sample returned results positive for Asbestos; see the attached ***Asbestos Sampling Report.***

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,
ENVIROTECH, INC.

Barian Williamson
Environmental Field Technician
bwilliamson@envirotech-inc.com

Enclosures: Field Notes
Analytical Results
Asbestos Sampling Report

Cc: Client File 92115

PAGE NO: 1 OF 1

DATE STARTED: 2-2-11

DATE FINISHED: 2-2-11

ENVIROTECH INC

ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

ENVIRONMENTAL SPECIALIST: BWW

LAT: 36.79459814

LONG: -108.088695

FIELD REPORT: BGT / PIT CLOSURE VERIFICATION

LOCATION: NAME: Bruington WELL #: 1R TEMP PIT: PERMANENT PIT: BGT: X

LEGAL ADD: UNIT: I SEC: 20 TWP: 30N RNG: 11W PM: NM

QTR/FOOTAGE: 1170 E 1520 S CNTY: SJ ST: NM

EXCAVATION APPROX: FT. X FT. X FT. DEEP CUBIC YARDAGE:

DISPOSAL FACILITY: — REMEDIATION METHOD: —

LAND OWNER: Federal API: 300-452-4141 BGT / PIT VOLUME: 120

CONSTRUCTION MATERIAL: Steel DOUBLE-WALLED, WITH LEAK DETECTION: NO

LOCATION APPROXIMATELY: 70 FT. 70° FROM ~~WELLHEAD~~ P&A Marker

DEPTH TO GROUNDWATER: 100'

__ TEMPORARY PIT - GROUNDWATER 50-100 FEET DEEP
BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, GRO & DRO FRACTION (8015) ≤ 500 mg/kg, TPH (418.1) ≤ 2500 mg/kg, CHLORIDES ≤ 500 mg/kg

__ TEMPORARY PIT - GROUNDWATER ≥100 FEET DEEP
BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, GRO & DRO FRACTION (8015) ≤ 500 mg/kg, TPH (418.1) ≤ 2500 mg/kg, CHLORIDES ≤ 1000 mg/kg

X PERMANENT PIT OR BGT
BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, TPH (418.1) ≤ 100 mg/kg, CHLORIDES ≤ 250 mg/kg

FIELD 418.1 ANALYSIS

TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (mg/kg)
10:16	200 STD	STD	-	-	-	196	
11:33	①	1	5	20	4	10	40
		2					
		3					
		4					
		5					
		6					

PERIMETER

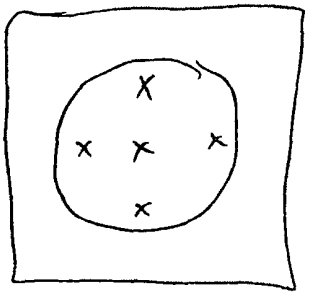
FIELD CHLORIDES RESULTS

SAMPLE ID	READING	CALC. (mg/kg)
① LR	86	OVER
① 1HR	4.6	1283

PID RESULTS

SAMPLE ID	RESULTS (mg/kg)
①	0.0

PROFILE



LAB SAMPLES

SAMPLE ID	ANALYSIS	RESULTS
	BENZENE	
	BTEX	
	GRO & DRO	
	CHLORIDES	

NOTES: collected 1 ACM sample from Separator ~~Abated~~ gasket collected 1402 for 8021/Chlorides from stack

WORKORDER # WHO ORDERED

envirotech

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-1586
Sample No.:	1	Date Reported:	2/14/2011
Sample ID:	BGT Composite	Date Sampled:	2/2/2011
Sample Matrix:	Soil	Date Analyzed:	2/7/2011
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**40**	**5.0**

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Bruington #1R (hBr)**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Barian Williamson
Printed

Review

Robyn Jones
Printed

5796 US Highway 64, Farmington, NM 87401 | Ph (505)632-0615 Fr (800)362-1879 Fx (505) 632-1865 info@envirotech-inc.com envirotech-inc.com

envirotech

CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 2-Feb-11

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	196
	500	
	1000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

Analyst — Date: 2/14/2011

Barian Williamson
Print Name

Review — Date: 2/14/2011

Robyn Jones
Print Name

5796 US Highway 64, Farmington, NM 87401 | Ph (505)632-0615 Fr (800)362-1879 Fx (505) 632-1865 info@envirotech-inc.com envirotech-inc.com

envirotech

Field Chloride

Client:	ConocoPhillips	Project #:	92115-1586
Sample No.:	1	Date Reported:	2/14/2011
Sample ID:	BGT Composite	Date Sampled:	2/2/2011
Sample Matrix:	Soil	Date Analyzed:	2/2/2011
Preservative:	Cool	Analysis Needed:	Chloride
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Field Chloride	**1,283**	**33.0**

ND = Parameter not detected at the stated detection limit.

References: "Standard Methods for the Examination of Water and Wastewater", 18th ed., 1992
Hach Company Quantab Titrators for Chloride

Comments: **Bruington #1R (hBr)**

Analyst

Barian Williamson,
Printed

Review

Robyn Jones
Printed

5796 US Highway 64, Farmington, NM 87401 | Ph (505)632-0615 Fr (800)362-1879 Fx (505) 632-1865 info@envirotech-inc.com envirotech-inc.com

envirotech
Analytical Laboratory

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	92115-1586
Sample ID:	BGT Composite	Date Reported:	02-03-11
Laboratory Number:	57152	Date Sampled:	02-02-11
Chain of Custody:	11096	Date Received:	02-02-11
Sample Matrix:	Soil	Date Analyzed:	02-03-11
Preservative:	Cool	Date Extracted:	02-02-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**0.9**
Toluene	**ND**	**1.0**
Ethylbenzene	**ND**	**1.0**
p,m-Xylene	**ND**	**1.2**
o-Xylene	**ND**	**0.9**
Total BTEX	**ND**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**96.4 %**
	1,4-difluorobenzene	**97.9 %**
	Bromochlorobenzene	**99.4 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Bruington 1R**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505)632-0615 Fr (800)362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

envirotech
Analytical Laboratory

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	0203BBLK QA/QC	Date Reported:	02-03-11
Laboratory Number:	57152	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-03-11
Condition:	N/A	Analysis:	BTEX
		Dilution:	10

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff. Accept. Range 0 - 15%	Blank Conc	Detect. Limit
Benzene	1.5739E+005	1.5770E+005	0.2%	ND	0.1
Toluene	1.6306E+005	1.6339E+005	0.2%	ND	0.1
Ethylbenzene	1.4503E+005	1.4532E+005	0.2%	ND	0.1
p,m-Xylene	3.3645E+005	3.3713E+005	0.2%	ND	0.1
o-Xylene	1.3680E+005	1.3707E+005	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	ND	ND	0.0%	0 - 30%	1.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.0
p,m-Xylene	ND	ND	0.0%	0 - 30%	1.2
o-Xylene	ND	ND	0.0%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	500	514	103%	39 - 150
Toluene	ND	500	447	89.4%	46 - 148
Ethylbenzene	ND	500	500	100%	32 - 160
p,m-Xylene	ND	1000	973	97.3%	46 - 148
o-Xylene	ND	500	496	99.1%	46 - 148

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: **QA/QC for Samples 57148-57152**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505)632-0615 Fr (800)362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

envirotech
Analytical Laboratory

Chloride

Client:	ConocoPhillips	Project #:	92115-1586
Sample ID:	BGT Composite	Date Reported:	02/03/11
Lab ID#:	57152	Date Sampled:	02/02/11
Sample Matrix:	Soil	Date Received:	02/02/11
Preservative:	Cool	Date Analyzed:	02/03/11
Condition:	Intact	Chain of Custody:	11096

Parameter	Concentration (mg/Kg)
Total Chloride	**650**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 199

Comments: **Bruington 1R**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505)632-0615 Fr (800)362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

CHAIN OF CUSTODY RECORD RUSH 11096

Client: Conoco Phillips	Project Name / Location: Bruington 1R	ANALYSIS / PARAMETERS
Client Address:	Sampler Name: Barian Williamson	
Client Phone No.:	Client No.: ~~960~~ 92115-1586	

Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative $HgCl_2$	Preservative HCl	Preservative	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
BGT Composite	2/2/11	11:33	57152	(Soil) Solid Sludge Aqueous	1-4oz					X								X				Y	Y
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	2/2/11	14:52	Trenton Knoll	2/2/11	14:52
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

RUSH

envirotech
Analytical Laboratory

5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com