

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

30-09-25710

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Burlington Resources, a Wholly Subsidiary of ConocoPhillips Company	Contact Kelsi Harrington	
Address 3401 E. 30th St., Farmington, NM 87402	Telephone No. 505-599-3403	
Facility Name San Juan 29-7 Unit 155	Facility Type Gas Well API#3003925710	
Surface Owner Private	Mineral Owner Federal	Lease No. SF-078423

LOCATION OF RELEASE

Unit Letter A	Section 09	Township 29N	Range 07W	Feet from the 1085'	North/South Line North	Feet from the 1040'	East/West Line East	County Rio Arriba
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Latitude **36.74446° N** Longitude **-107.57026° W**

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 9/7/2011
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.* **Below Grade Tank Closure.**

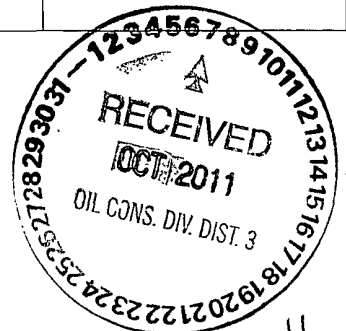
Describe Area Affected and Cleanup Action Taken.* **The sample returned results below the regulatory standards for Benzene, BTEX and Chlorides in the field but above the regulatory standard of 100 ppm for TPH (444 ppm) using USEPA Method 418.1, confirming a release. ; however, so no further action The laboratory sample from beneath the former BGT returned results below regulatory standards for benzene and BTEX; however, the chlorides returned results of 568 ppm. The closure standard for this site is 1,000 ppm so no further action is required in regard to the TPH and NMOCD approval was received to backfill; therefore, 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: <i>Kelsi Harrington</i>	OIL CONSERVATION DIVISION	
Printed Name: Kelsi Harrington	Approved by District Supervisor: <i>[Signature]</i>	
Title: Environmental Consultant	Approval Date: 10/11/11	Expiration Date:
E-mail Address: kelsi.g.harrington@conocophillips.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 10/5/2011 Phone: 505-599-3403		

* Attach Additional Sheets If Necessary

NJK1128656862





October 5, 2010

Project Number 92115-1940

Ms. Kelsi Harrington
Conoco Phillips
3401 East 30th Street
Farmington, New Mexico 87401

Phone: (505) 599-3403

RE: BELOW-GRADE TANK CLOSURE DOCUMENTATION FOR THE SAN JUAN 29-7 #155 (hBr) WELL SITE, SAN JUAN COUNTY, NEW MEXICO


Dear Ms. Harrington,

Enclosed please find the field notes and analytical results for below-grade tank (BGT) closure activities performed at the San Juan 29-7 #155 (hBr) well site located in Section 9, Township 27 North, Range 9 West, San Juan County, New Mexico. Prior to Envirotech's arrival on September 7, 2010, the BGT had been removed. A brief site assessment was conducted and the regulatory standards were determined to be 1000 ppm TPH and 100 ppm organic vapors due to horizontal distance to surface water between 200 to 1,000 feet and depth to groundwater at 125 feet, pursuant to New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Spills, Leaks, and Releases. One (1) five (5)-point composite sample was collected from beneath the former BGT. The sample was analyzed in the field for total petroleum hydrocarbons (TPH) using USEPA Method 418.1, for organic vapors using a photoionization detector (PID), and for chlorides. The sample returned results below the regulatory standards for benzene, BTEX and chlorides but above the regulatory standard of 100 parts per million (ppm) TPH using USEPA Method 418.1, confirming a release did occur. Additionally, the sample 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 from beneath the former BGT returned results below the regulatory standards for TPH, benzene and BTEX, and of 568 ppm chlorides confirming a release did occur.; see attached *Analytical Results*. Envirotech, Inc. recommends no further action in regards to this incident.

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
Project Manager
bwilliamson@envirotech-inc.com

Enclosures: Analytical Results
Field Notes

Cc: Client File 92115



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client: ConocoPhillips
Sample No.: 1
Sample ID: BGT Composite
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92115-1940
Date Reported: 10/4/2011
Date Sampled: 9/7/2011
Date Analyzed: 9/7/2011
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	444	5.0
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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.

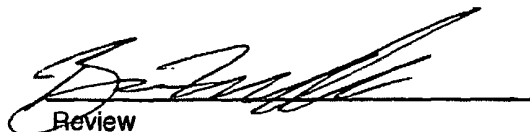
Comments: **San Juan 29-7 #155**

Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

John Rollins, Environmental Field Technician
Printed



Review

Barian Williamson, Project Manager
Printed



CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 7-Sep-11

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	209
	200	
	500	
	1000	

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


Analyst

10/4/2011
Date

John Rollins, Environmental Field Technician
Print Name


Review

10/4/2011
Date

Barian Williamson, Project Manager
Print Name

**EPA METHOD 8021
 AROMATIC VOLATILE ORGANICS**

Client:	ConocoPhillips	Project #:	92115-1940
Sample ID:	BGT	Date Reported:	09-09-11
Laboratory Number:	59561	Date Sampled:	09-07-11
Chain of Custody:	12531	Date Received:	09-07-11
Sample Matrix:	Soil	Date Analyzed:	09-08-11
Preservative:	Cool	Date Extracted:	09-07-11
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	2.1	1.2
o-Xylene	1.9	0.9
Total BTEX	4.0	

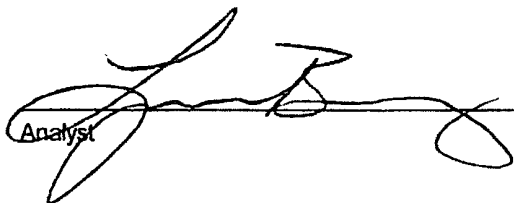
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	105 %
	1,4-difluorobenzene	119 %
	Bromochlorobenzene	100 %

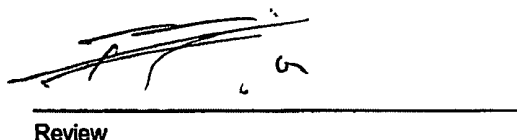
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

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

Comments: SJ 29-7 #155.



Analyst



Review



envirotech

Analytical Laboratory

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	09088BLK QA/QC	Date Reported:	09-07-11
Laboratory Number:	59563	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-08-11
Condition:	N/A	Analysis:	BTEX
		Dilution:	10

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect Limit
		Accept Range 0 - 15%			
Benzene	3.7583E+006	3.7658E+006	0.2%	ND	0.1
Toluene	3.8095E+006	3.8171E+006	0.2%	ND	0.1
Ethylbenzene	3.3597E+006	3.3664E+006	0.2%	ND	0.1
p,m-Xylene	9.2537E+006	9.2723E+006	0.2%	ND	0.1
o-Xylene	3.1163E+006	3.1226E+006	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	475	95.0%	39 - 150
Toluene	ND	500	450	90.1%	46 - 148
Ethylbenzene	ND	500	448	89.7%	32 - 160
p,m-Xylene	ND	1000	897	89.7%	46 - 148
o-Xylene	ND	500	449	89.8%	46 - 148

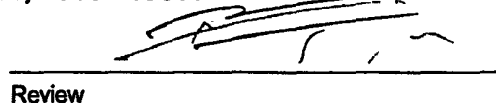
ND - Parameter not detected at the stated detection limit.

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 59538, 59542, 59561, 59563-59568.


Analyst


Review

Client:	ConocoPhillips	Project #:	92115-1940
Sample ID:	BGT	Date Reported:	09/09/11
Lab ID#:	54258	Date Sampled:	09/07/11
Sample Matrix:	Soil	Date Received:	09/07/11
Preservative:	Cool	Date Analyzed:	09/09/11
Condition:	Intact	Chain of Custody:	12531

Parameter	Concentration (mg/Kg)
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Total Chloride**568**

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., 1992.

Comments: **SJ 29-7 #155.**



Analyst

Review

KUSH

CHAIN OF CUSTODY RECORD

12531

Client: <u>Conoco</u>			Project Name / Location: <u>SS 29-7 #155</u>				ANALYSIS / PARAMETERS																																													
Client Address:			Sampler Name: <u>John R</u>				<table border="1"> <tr> <th>TPH (Method 8015)</th> <th>BTEX (Method 8021)</th> <th>VOC (Method 8260)</th> <th>RCRA 8 Metals</th> <th>Cation / Anion</th> <th>RCI</th> <th>TCLP with H/P</th> <th>PAH</th> <th>TPH (418.1)</th> <th>CHLORIDE</th> <th></th> <th></th> <th></th> <th></th> <th>Sample Cool</th> <th>Sample Intact</th> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>														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																
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																							
Client Phone No.:			Client No.: <u>92115-1940</u>																																																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative HgCl ₂ HCl Fe ²⁺																																														
<u>BGT</u>	<u>9/7/11</u>	<u>13:45</u>	<u>59561</u>	<u>Soil Solid</u> <u>Sludge Aqueous</u>	<u>4</u>			<u>X</u>	<u>X</u>							<u>X</u>			<u>X</u>	<u>X</u>																																
				Soil Solid	Sludge Aqueous																																															
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KUSH

envirotech
 Analytical Laboratory

PAGE NO: 1 OF 1**envirotech**

5798 U.S. Hwy 84, Farmington, NM 87401

PHONE: (505) 632-0615

ENVIRONMENTAL SPECIALIST:

JKDATE STARTED: 9/2/11DATE FINISHED: 9/2/11LAT: 36.74753LONG: -107.571**FIELD REPORT: BGT / PIT CLOSURE VERIFICATION**LOCATION: NAME: S5 29-7 WELL #: 155 TEMP PIT: PERMANENT PIT: BGT: XLEGAL ADD: UNIT: A SEC: 9 TWP: 29N RNG: 7W PM: NMQTR/FOOTAGE: 1085 FNL + 1040 FEL CNTY: RA ST: NMEXCAVATION APPROX: NA FT. X NA FT. X NA FT. DEEP CUBIC YARDAGE: NADISPOSAL FACILITY: NA REMEDIATION METHOD: NALAND OWNER: C. J. J. J. API: 3003925710 BGT / PIT VOLUME:CONSTRUCTION MATERIAL: Steel DOUBLE-WALLED, WITH LEAK DETECTION:LOCATION APPROXIMATELY: 122.9 FT. South FROM WELL HEAD EntryDEPTH TO GROUNDWATER: 125

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/kgTEMPORARY PIT - GROUNDWATER ≥ 100 FEET DEEPBENZENE ≤ 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☒ PERMANENT PIT OR BGTBENZENE ≤ 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)
10:15	STD	-	-	-	-	209	-
13:40	BGT	1	5	20	4	111	444
		2					
		3					
		4					
		5					
		6					

PERIMETER**FIELD CHLORIDES RESULTS****PROFILE**

SAMPLE ID	READING	CALC. (mg/kg)
BGT	3.8	146

PID RESULTS

SAMPLE ID	RESULTS (mg/kg)
BGT	ND

X = sample point

LAB SAMPLES**NOTES:**

SAMPLE ID	ANALYSIS	RESULTS
	BENZENE	
	BTEX	
	GRO & DRO	
	CHLORIDES	

WORKORDER #

WHO ORDERED

3725710

Client: <u>COPC</u>	 envirotech (505) 832-0615 (800) 362-1879 5796 U.S. Hwy 64, Farmington, NM 87401	Project No: <u>92115-1940</u> COC No:
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FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: 1 OF 1

LOCATION: NAME: <u>55-29-7</u> WELL #: <u>155</u>	DATE STARTED: <u>9/7/11</u>
QUAD/UNIT: <u>A</u> SEC: <u>9</u> TWP: <u>29N</u> RANG: <u>24W</u> PM: <u>NM</u> CNTY: <u>RAST</u> ST: <u>NM</u>	DATE FINISHED: <u>9/7/11</u>
QTR/FOOTAGE: <u>1085 FVL & 1040 FEL</u> CONTRACTOR:	ENVIRONMENTAL SPECIALIST: <u>SK</u>

EXCAVATION APPROX: <u>NA</u> FT. X <u>NA</u> FT. X <u>NA</u> FT. DEEP CUBIC YARDAGE:
DISPOSAL FACILITY: <u>NA</u> REMEDIATION METHOD: <u>NA</u>
LAND USE: <u>Residential</u> LEASE: LAND OWNER: <u>Condalia</u>
CAUSE OF RELEASE: <u>BGT closure</u> MATERIAL RELEASED: <u>Unknown</u>

SPILL LOCATED APPROXIMATELY: <u>122.9 FT. South</u> FROM <u>Highway</u>
DEPTH TO GROUNDWATER: <u>125</u> NEAREST WATER SOURCE: <u>7100'</u> NEAREST SURFACE WATER: <u>390'</u>

NMOCD RANKING SCORE: <u>10</u>	NMOCD TPH CLOSURE STD: <u>1000</u> PPM
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SOIL AND EXCAVATION DESCRIPTION:


BGT chlorides 146


SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
<u>200 STD</u>	<u>10:15</u>	<u>STD</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>209</u>	<u>-</u>
<u>BGT Composite</u>	<u>13:40</u>	<u>BGT</u>	<u>-</u>	<u>5</u>	<u>20</u>	<u>4</u>	<u>111</u>	<u>444</u>


SPILL PERIMETER

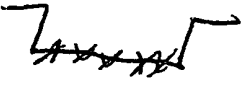
OVM RESULTS

SPILL PROFILE

	SAMPLE ID	FIELD HEADSPACE PID (ppm)
	<u>BGT</u>	<u>ND</u>
LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
<u>BGT</u>	<u>8021, CL</u>	<u>15:30</u>







X = sample point

TRAVEL NOTES: _____ CALLED OUT: _____

ONSITE: _____