

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 Lloyd 2	Facility Type Gas Well API #3004526641	
Surface Owner Federal	Mineral Owner Federal	Lease No. SF-078171

LOCATION OF RELEASE

Unit Letter G	Section 24	Township 30N	Range 11W	Feet from the 1840'	North/South Line North	Feet from the 1710'	East/West Line East	County San Juan
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Latitude **36.79946 ° N** Longitude **-107.93917 ° 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
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 activities.**

Describe Area Affected and Cleanup Action Taken.* **The below grade tank sample results were above regulatory standard by USEPA method 418.1 for TPH @ 120 ppm, confirming a release; however, the regulatory standard for closure at this site was determined to be 1,000 ppm. Additionally, the sample was then transported to the lab and analytical results for BTEX and Chlorides were below the regulatory standards set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Release; 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>Jonathan D. Kelly</i>	
Title: Environmental Consultant	Approval Date: <i>10/20/2015</i>	Expiration Date:
E-mail Address: kelsi.g.harrington@conocophillips.com	Conditions of Approval: <i>BGT Closure C-141 Required for BGT Closure, Please submit within 60 days. Notification sent to COPC Regulatory 10/20/2015</i>	Attached <input type="checkbox"/>
Date: 4/27/2011	Phone: 505-599-3403	

* Attach Additional Sheets If Necessary

NJK1529342863





February 9, 2011

Project Number 92115-1544

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

Phone: (505) 599-3403

RE: BELOW-GRADE TANK CLOSURE DOCUMENTATION FOR THE LLOYD #2 (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 Lloyd #2 (hBr) well site located in Section 24, Township 30 North, Range 11 West, San Juan County, New Mexico. Upon Envirotech personnel's arrival on January 4, 2011, 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 above the regulatory standards for TPH, confirming a release had occurred; see attached *Field Notes*. 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 and 1,000 feet and depth to groundwater greater than 100 feet, and the nearest water source is greater than 100 feet, pursuant to New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Spills, Leaks, and Releases. 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 returned results below the regulatory standards for all constituents analyzed; 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.


Crystal Delgai
Environmental Field Technician
cdelgai@envirotech-inc.com

Enclosures: Field Notes
Analytical Results

Cc: Client File 92115

PAGE NO: <u>1</u> OF <u>2</u> DATE STARTED: <u>1/8/11</u> DATE FINISHED: <u>1/8/11</u>	ENVIROTECH INC ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615	ENVIRONMENTAL SPECIALIST: <u>CD</u> LAT: <u>36.79948256</u> LONG: <u>107.9396984</u>
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FIELD REPORT: BGT / PIT CLOSURE VERIFICATION

LOCATION:	NAME: <u>COPC - LLOYD</u>	WELL #: <u>2</u>	TEMP PIT:	PERMANENT PIT:	BGT: <u>Yes</u>
LEGAL ADD:	UNIT:	SEC: <u>24</u>	TWP: <u>30N</u>	RNG: <u>11W</u>	PM:
YTR/FOOTAGE:	<u>1840N 1700'E</u>		CNTY: <u>San Juan</u>	ST: <u>NM</u>	
EXCAVATION APPROX:	<u>20</u> FT.	X <u>15</u> FT.	X <u>5</u> FT.	DEEP CUBIC YARDAGE:	
DISPOSAL FACILITY:	REMEDICATION METHOD:				
LAND OWNER:	<u>Federal</u>		API: <u>3004526641</u>	BGT/PIT VOLUME: <u>120</u>	
CONSTRUCTION MATERIAL:	DOUBLE-WALLED, WITH LEAK DETECTION:				
LOCATION APPROXIMATELY:	<u>40</u> FT. <u>1600</u> FROM WELLHEAD				
DEPTH TO GROUNDWATER:					

- ☐ TEMPORARY PIT - GROUNDWATER 50-100 FEET DEEP
 BENZENE \leq 0.2 mg/kg, BTEX \leq 50 mg/kg, GRO & DRO FRACTION (8015) \leq 500 mg/kg, TPH (418.1) \leq 2500 mg/kg, CHLORIDES \leq 500 mg/kg
- ☐ TEMPORARY PIT - GROUNDWATER \geq 100 FEET DEEP
 BENZENE \leq 0.2 mg/kg, BTEX \leq 50 mg/kg, GRO & DRO FRACTION (8015) \leq 500 mg/kg, TPH (418.1) \leq 2500 mg/kg, CHLORIDES \leq 1000 mg/kg
- ☒ PERMANENT PIT OR BGT
 BENZENE \leq 0.2 mg/kg, BTEX \leq 50 mg/kg, TPH (418.1) \leq 100 mg/kg, CHLORIDES \leq 250 mg/kg

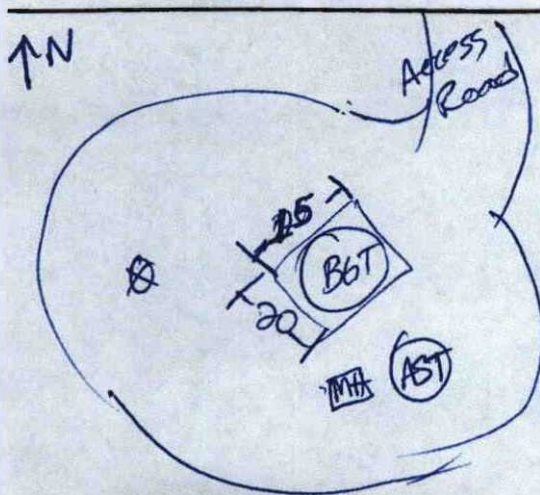
FIELD 418.1 ANALYSIS

TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (mg/kg)
10:12	200 STD		-	-	-	198	
10:30	Bottom	1	5	20	4	30	120
		2					
		3					
		4					
		5					
		6					

PERIMETER

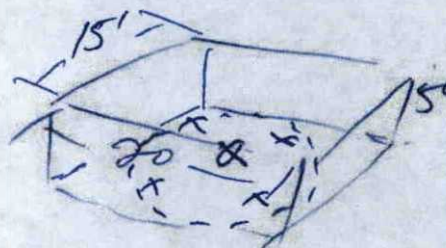
FIELD CHLORIDES RESULTS

PROFILE



SAMPLE ID	READING	CALC. (mg/kg)
1	ND	ND

PID RESULTS	
SAMPLE ID	RESULTS (mg/kg)
1	ND



LAB SAMPLES		
SAMPLE ID	ANALYSIS	RESULTS
	BENZENE	
	BTEX	
	GRO & DRO	
	CHLORIDES	

NOTES:

BTEX, Chlorides
 8021

WORKORDER #

WHO ORDERED

WPC



(505) 632-0615 (800) 362-1879
5798 U.S. Hwy 64, Farmington, NM 87401

C.O.C. No: 1544

PAGE NO: 2 OF 2

DATE STARTED: 1/4/11

DATE FINISHED: 1/4/11

ENVIRONMENTAL

SPECIALIST: *CD*

EXCAVATION APPROX: 20 FT. X 15 FT. X 5 FT. DEEP CUBIC YARDAGE:

DISPOSAL FACILITY: _____ REMEDIATION METHOD: _____

LAND USE: *Grazing* LEASE: LAND OWNER: *Federal*

CAUSE OF RELEASE: 036-# release MATERIAL RELEASED:

SPILL LOCATED APPROXIMATELY: 40 FT. 1160° FROM WHARF

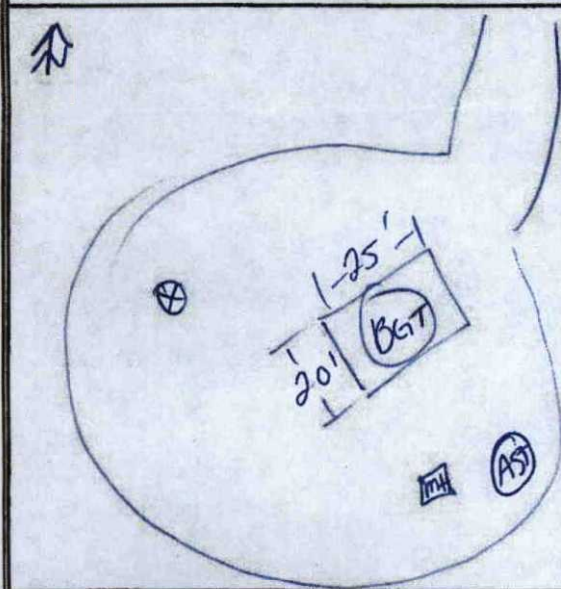
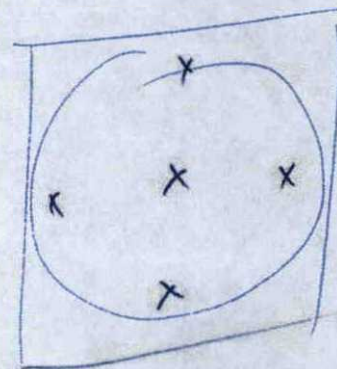
DEPTH TO GROUNDWATER: 7150' NEAREST WATER SOURCE: 28071000' NEAREST SURFACE WATER: 280'

NMOC Ranking Score: 10 NMOC TPH Closure Std: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION:

[illegible]

SPILL PROFILE

[illegible]

TRAVEL NOTES: CALLED OUT: ONSITE:



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Cal. Date: 1-31-11

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

Project #: 92115-1544
Date Reported: 1/7/2011
Date Sampled: 1/4/2011
Date Analyzed: 1/4/2011
Analysis Needed: TPH-418.1

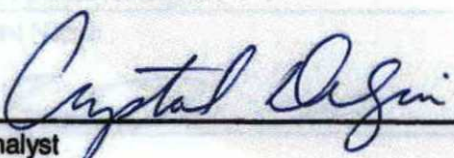
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	120	5.0

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: Lloyd #2 (hBr)

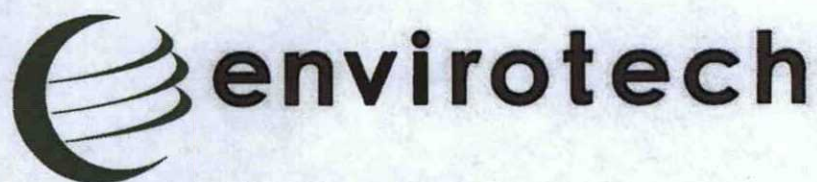
Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

Crystal Delgai, FT
Printed


Review

Barian Williamson, FT
Printed

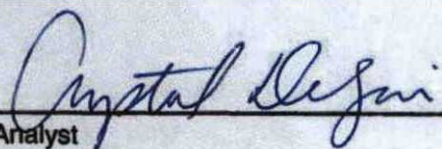


CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 4-Jan-11

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	198
	200	
	500	
	1000	

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


Analyst

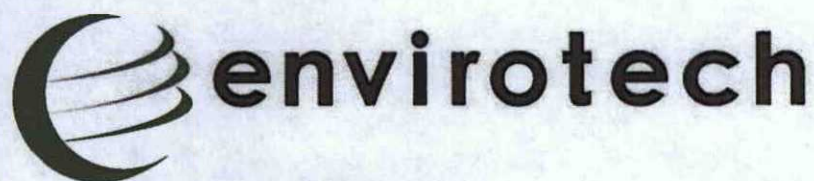
1/7/2011
Date

Crystal Delgai, FT
Print Name


Review

1/7/2011
Date

Barian Williamson, FT
Print Name



Field Chloride

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

Project #: 92115-1544
Date Reported: 1/7/2011
Date Sampled: 1/4/2011
Date Analyzed: 1/4/2011
Analysis Needed: Chloride

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Field Chloride

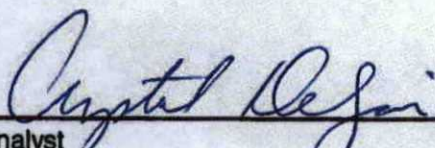
ND

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: Lloyd #2 (hBr)


Analyst

Crystal Delgai, FT
Printed


Review

Barian Williamson, FT
Printed

Client:	ConocoPhillips	Project #:	92115-1544
Sample ID:	Bottom	Date Reported:	01-05-11
Laboratory Number:	56951	Date Sampled:	01-04-11
Chain of Custody:	10989	Date Received:	01-04-11
Sample Matrix:	Soil	Date Analyzed:	01-05-11
Preservative:	Cool	Date Extracted:	01-04-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	2.5	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	3.8	1.2
o-Xylene	4.7	0.9
Total BTEX	11.0	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	108 %
	1,4-difluorobenzene	113 %
	Bromochlorobenzene	107 %

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: BGT Closure Lloyd #2

Analyst

Review

Client:	N/A	Project #:	N/A
Sample ID:	0105BBLK QA/QC	Date Reported:	01-05-11
Laboratory Number:	56951	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-05-11
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	3.5636E+006	3.5707E+006	0.2%	ND	0.1
Toluene	1.0825E+006	1.0847E+006	0.2%	ND	0.1
Ethylbenzene	8.3315E+005	8.3482E+005	0.2%	ND	0.1
p,m-Xylene	1.7884E+006	1.7920E+006	0.2%	ND	0.1
o-Xylene	6.8186E+005	6.8323E+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	2.5	2.6	4.0%	0 - 30%	1.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.0
p,m-Xylene	3.8	3.6	5.3%	0 - 30%	1.2
o-Xylene	4.7	4.8	2.1%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	500	574	115%	39 - 150
Toluene	2.5	500	565	112%	46 - 148
Ethylbenzene	ND	500	539	108%	32 - 160
p,m-Xylene	3.8	1000	1,160	116%	46 - 148
o-Xylene	4.7	500	561	111%	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 Photolionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 56951

Analyst

Review

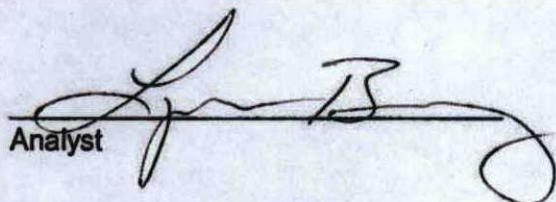
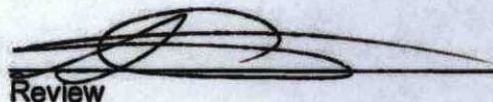
Client:	ConocoPhillips	Project #:	92115-1544
Sample ID:	Bottom	Date Reported:	01-05-11
Lab ID#:	56951	Date Sampled:	01-04-11
Sample Matrix:	Soil	Date Received:	01-04-11
Preservative:	Cool	Date Analyzed:	01-05-11
Condition:	Intact	Chain of Custody:	10989

Parameter	Concentration (mg/Kg)
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Total Chloride**5**

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: **BGT Closure Lloyd #2**


Analyst
Review

CHAIN OF CUSTODY RECORD

10989

Client: LOPC			Project Name / Location: BET Closure Hyd #2				ANALYSIS / PARAMETERS												
Client Address:			Sampler Name: C. Delgari				<div style="display: flex; justify-content: space-between; font-size: small;"> <div>TPH (Method 8015)</div> <div>BTEX (Method 8021)</div> <div>VOC (Method 8260)</div> <div>RCRA 8 Metals</div> <div>Cation / Anion</div> <div>RCI</div> <div>TCLP with H/P</div> <div>PAH</div> <div>TPH (418.1)</div> <div>CHLORIDE</div> <div></div> <div></div> <div></div> <div>Sample Cool</div> <div>Sample Intact</div> </div>												
Client Phone No.:			Client No.: 92115-1544																

Sample No/ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	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
						H ₂ O ₂	HCl	WAX															
bottom	1/4/11	10:30	56951	Soil Solid	402			X		X								X				X	X
				Soil Solid	Sludge Aqueous																		
				Soil Solid	Sludge Aqueous																		
				Soil Solid	Sludge Aqueous																		
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				Soil Solid	Sludge Aqueous																		

Relinquished by: (Signature) Cristina Delgari	Date 1/4/11	Time 11:45	Received by: (Signature) Brendy Jones	Date 1/4/11	Time 11:45
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

RUSTH



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