

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

30-039-07718

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	Burlington Resources, a Wholly Owned Subsidiary of ConocoPhillips Company	Contact	Kelsi Harrington
Address	3401 E. 30 th St., Farmington, NM 87402	Telephone No	505-599-3403
Facility Name	San Juan 30-6 Unit 100	Facility Type	Gas Well API# 3003907718
Surface Owner	Federal	Mineral Owner	Federal
		Lease No	NMSF-079383

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	35	30N	07W	890'	South	1750'	West	Rio Arriba

Latitude 36.76417° N Longitude -107.54277° 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 10/6/10
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	RCVD DEC 1 '10 OIL CONG. DIV DIST. 3
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 the regulatory standard by USEPA method 418.1 for TPH, confirming a release. The sample was then transported to the lab and analytical results were below the regulatory standards set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Releases; 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. Kelsi Harrington	OIL CONSERVATION DIVISION	
Printed Name: Kelsi Harrington	Approved by District Supervisor Jonathan D. Kelly	
Title Environmental Consultant	Approval Date 3/06/2012	Expiration Date.
E-mail Address: kelsi.g.harrington@conocophillips.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 11/3/10 Phone: 505-599-3403		

* Attach Additional Sheets If Necessary

NJK 12066 37266



October 26, 2010

Project No. 92115-1454

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 30-6 UNIT
100 (hBr) WELL SITE, RIO ARriba COUNTY, NEW MEXICO**

Dear Ms. Harrington,

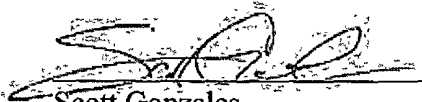
Enclosed please find the field notes and analytical results for below-grade tank (BGT) closure activities performed at the San Juan 30-6 Unit 100 (hBr) well site located in Section 35, Township 30 North, Range 7 West, Rio Arriba County, New Mexico. The BGT was removed prior to Envirotech personnel's arrival on October 4, 2010. 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. 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 TPH using USEPA Method 8015, 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, 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.

A brief site assessment was conducted and the regulatory standards were determined to be 5000 ppm TPH and 100 ppm organic vapors due to horizontal distance to surface water being greater than 1000 feet and depth to groundwater being greater than 100 feet, pursuant to New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Spills, Leaks, and Releases. The sample from beneath the former BGT returned results below the regulatory standards for TPH; see attached *Analytical Results*. Envirotech, Inc. recommends no further action in regards to this incident.

ConocoPhillips
San Juan 30-6 Unit 100 (hBr)
BGT Closure Sampling
Project No. 92115-1454
Page 2

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.



Scott Gonzales
Senior Environmental Technician
sgonzales@envirotech-inc.com

Enclosures: Analytical Results
Field Notes

Cc: Client File 92115

PAGE NO: 1 OF 2

DATE STARTED: 10-15-10

DATE FINISHED:

ENVIROTECH INC

ENVIRONMENTAL SCIENTISTS & ENGINEERS

5796 U.S. HIGHWAY 64 - 3014

FARMINGTON, NEW MEXICO 87401

PHONE: (505) 632-0615

ENVIRONMENTAL SPECIALIST:

LAT: 36.76497803

LONG: -107.543302

FIELD REPORT: BGT / PIT CLOSURE VERIFICATION

LOCATION: NAME: San Juan 30-6 WELL #: 100 TEMP PIT: PERMANENT PIT: BGT X

LEGAL ADD: UNIT: N SEC: 35 TWP: 30N RNG: 7W PM: N M P M

QTR/FOOTAGE: 8905 + 1750N CNTY: Rio Arriba ST: NM

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

DISPOSAL FACILITY: REMEDIATION METHOD:

LAND OWNER: API: 300890.7718 BGT / PIT VOLUME: 112 FEET

CONSTRUCTION MATERIAL: steel DOUBLE-WALLED, WITH LEAK DETECTION: N/A

LOCATION APPROXIMATELY: 7.2 FT. 350' FROM WELLHEAD

DEPTH TO GROUNDWATER: 7100'

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 ID	LAB NO.	WEIGHT (g)	ML FREON	DILUTION	READING	CALC (mg/kg)
9:40	206 STD					202	
10:10	Spl. Comp	1	5	20	4	73	292
		2					
		3					
		4					
		5					
		6					

PERIMETER

FIELD CHLORIDES RESULTS

PROFILE

mm

N

7

BGT: (AST)

SAMPLE ID	READING	CALC. (mg/kg)
Spl. Comp	ND	ND

PID RESULTS

SAMPLE ID	RESULTS (mg/kg)
Spl. Comp	ND

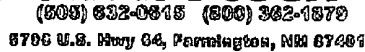
LAB SAMPLES

SAMPLE ID	ANALYSIS	RESULTS
	BENZENE	
	BTEX	
	GRO & DRO	
	CHLORIDES	

NOTES: on site @ 9:30 left site @ 10:45 GPS pt. of BGT - 36.764530° -107.543464°

WORKORDER # WHO ORDERED

ConocoPhillips



C.O.C. No:

PAGE NO: 2 OF 2

DATE STARTED: 10-6-10

DATE FINISHED:

ENVIRONMENTAL
SPECIALIST: SG

REMEDIATION METHOD: 1900 ft. pm

USE OF RELEASE: BGT 189K MATERIAL RELEASED: Produced water / incidental oil

PTH TO GROUNDWATER: 7100' NEAREST WATER SOURCE: 7100' NEAREST SURFACE WATER: 71000'

LAND EXCAVATION DESCRIPTION:

SPILL PROFILE

[illegible]

AVEL NOTES: CALLED OUT: ONSITE:



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client: ConocoPhillips
Sample No.: 1
Sample ID: 5 Pt. Composite
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92115-1454
Date Reported: 10/12/2010
Date Sampled: 10/6/2010
Date Analyzed: 10/6/2010
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	292	5.0

ND = Parameter not detected at the stated detection limit.

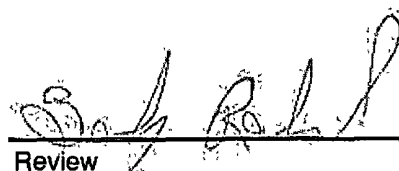
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **San Juan 30-6 Unit 100 (hBr)**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

Scott Gonzales
Printed


Review

Sarah Rowland, EIT
Printed



CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 6-Oct-10

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
-----------	-----------------------------------	----------------------------------

TPH	100	
	206	202
	500	
	1000	

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



Analyst

10/12/2010

Date

Scott Gonzales

Print Name



Review

10/12/2010

Date

Sarah Rowland, EIT

Print Name



Field Chloride

Client: ConocoPhillips
Sample No.: 1
Sample ID: 5 Pt. Composite
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92115-1454
Date Reported: 10/12/2010
Date Sampled: 10/6/2010
Date Analyzed: 10/6/2010
Analysis Needed: Chloride

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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: San Juan 30-6 Unit 100 (hBr)


Analyst

Scott Gonzales
Printed


Review

Sarah Rowland, EIT
Printed



envirotech
Analytical Laboratory

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	ConocoPhillips	Project #:	92115-1454
Sample ID:	5 Pt Comp	Date Reported:	10-07-10
Laboratory Number:	56077	Date Sampled:	10-06-10
Chain of Custody No:	10458	Date Received:	10-06-10
Sample Matrix:	Soil	Date Extracted:	10-06-10
Preservative:	Cool	Date Analyzed:	10-07-10
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **San Juan 30-6 #100**

Analyst

Review



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Analytical Laboratory

EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	10-07-10 QA/QC	Date Reported:	10-07-10
Laboratory Number:	56069	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-07-10
Condition:	N/A	Analysis Requested:	TPH

	E-Cal Date	E-Cal RE	C-Cal RE	% Difference	Accept Range
Gasoline Range C5 - C10	10-07-10	9.9960E+002	1.0000E+003	0.04%	0 - 15%
Diesel Range C10 - C28	10-07-10	9.9960E+002	1.0000E+003	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	275	110%	75 - 125%
Diesel Range C10 - C28	ND	250	248	99.0%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 56069-56075, 56077, 56080

Analyst

Review



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Analytical Laboratory

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	92115-1454
Sample ID:	5 Pt Comp	Date Reported:	10-07-10
Laboratory Number:	56077	Date Sampled:	10-06-10
Chain of Custody:	10458	Date Received:	10-06-10
Sample Matrix:	Soil	Date Analyzed:	10-07-10
Preservative:	Cool	Date Extracted:	10-06-10
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	6.8	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	30.8	1.2
o-Xylene	5.9	0.9
Total BTEX	43.5	


ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	105 %
	1,4-difluorobenzene	108 %
	Bromochlorobenzene	115 %

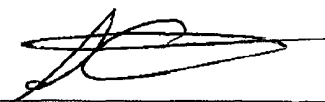
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

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

Comments: San Juan 30-6 #100



Analyst



Review



envirotech

Analytical Laboratory

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	1007BBLK QA/QC	Date Reported:	10-07-10
Laboratory Number:	56077	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-07-10
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	4.9451E+005	4.9550E+005	0.2%	ND	0.1
Toluene	5.9814E+005	5.9934E+005	0.2%	ND	0.1
Ethylbenzene	5.3192E+005	5.3298E+005	0.2%	ND	0.1
p,m-Xylene	1.2834E+006	1.2860E+006	0.2%	ND	0.1
o-Xylene	4.8458E+005	4.8555E+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	6.8	7.0	2.9%	0 - 30%	1.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.0
p,m-Xylene	30.8	26.3	14.6%	0 - 30%	1.2
o-Xylene	5.9	5.4	8.5%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	%Recovery	Accept Range
Benzene	ND	500	512	102%	39 - 150
Toluene	6.8	500	510	101%	46 - 148
Ethylbenzene	ND	500	504	101%	32 - 160
p,m-Xylene	30.8	1000	1,010	97.9%	46 - 148
o-Xylene	5.9	500	502	99.3%	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 56069-56075, 56077, 56080

Analyst

Review



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Analytical Laboratory

Chloride

Client:	ConocoPhillips	Project #:	92115-1454
Sample ID:	5 Pt Comp	Date Reported:	10-07-10
Lab ID#:	56077	Date Sampled:	10-06-10
Sample Matrix:	Soil	Date Received:	10-06-10
Preservative:	Cool	Date Analyzed:	10-07-10
Condition:	Intact	Chain of Custody:	10458

Parameter	Concentration (mg/Kg)
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Total Chloride

30

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: San Juan 30-6 #100

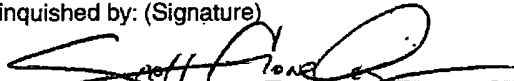
Analyst

Review

RVSH

CHAIN OF CUSTODY RECORD

10458

Client: ConocoPhillips			Project Name / Location: SAN JUAN 30-6 #100				ANALYSIS / PARAMETERS															
Client Address:			Sampler Name: Scott Gonzalez				<div style="display: flex; justify-content: space-between;"> <div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (Method 8015)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX (Method 8021)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">VOC (Method 8260)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">RCRA 8 Metals</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Cation / Anion</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">RCI</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TCLP with H/P</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PAH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (418.1)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">CHLORIDE</div> </div> <div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Sample Cool</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Sample Intact</div> </div> </div>															
Client Phone No.:			Client No.: 92115-1454																			
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
Spt. Comp	10-6-10	10:15	56077	Soil Solid	1-4oz				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
				Soil Solid	Sludge Aqueous																	
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				10-6-10		12:40		Brandy Horne				10/6/10		12:40								
Relinquished by: (Signature)								Received by: (Signature)														
Relinquished by: (Signature)								Received by: (Signature)														

RVSH



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