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

30-039-25803

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 30-6 Unit 42A**	Facility Type **Gas Well API#3003925803**

Surface Owner **Federal**	Mineral Owner **Federal**	Lease No. **SF-080713-B**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	**14**	**30N**	**06W**	**1410'**	**North**	**1995'**	**West**	**Rio Arriba**

Latitude 36.81585° N Longitude -107.43383° 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 **4/29/2011**
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.	

RCVD SEP 6'11
OIL CONS. DIV.
DIST. 3

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 but above the regulatory standard of 100 ppm for TPH (108 ppm) using USEPA Method 418.1, confirming a release. However, as the closure standard for TPH at this site is 100 ppm and the laboratory sample returned results of Non- Detect TPH, 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: **9/1/2011** Phone: **505-599-3403**	

* Attach Additional Sheets If Necessary

nJK1129429530

envirotech

May 25, 2011 Project Number 92115-1685

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

RE: BELOW-GRADE TANK CLOSURE DOCUMENTATION FOR THE SAN JUAN 30-6 #42A (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 #42A (hBr) well site located in Section 14, Township 30 North, Range 6 West, Rio Arriba County, New Mexico. Prior to Envirotech personnel's arrival on April 29, 2011, the BGT had been removed. 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 total BTEX using USEPA Method 8021 and for chlorides using USEPA Method 4500. The sample returned results below the regulatory standards for benzene, total 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 100 ppm TPH and 100 ppm organic vapors due to horizontal distance to surface water less than 200 feet from the site, 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 standard for TPH using USEPA Method 8015; 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.

Toni McKnight, EIT
Environmental Project Manager
tmcknight@envirotech-inc.com

Enclosures: Field Notes
Analytical Results

Cc: Client File 92115

PAGE NO: 1 OF 1

92115-1685

DATE STARTED: 4/29/11

DATE FINISHED: 4/29/11

ENVIROTECH INC

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

ENVIRONMENTAL SPECIALIST: TLM

LAT: N 36.816014°

LONG: W107.434642°

FIELD REPORT: BGT / PIT CLOSURE VERIFICATION

LOCATION: NAME: SAN JUAN 30-6 WELL #: 42A TEMP PIT: PERMANENT PIT: BGT: X

QUAD/UNIT: UNIT: SEC: 14 TWP: 30N RNG: 6W PM: NM

QTR/FOOTAGE: 1410' FNL & 1995 FWL' CNTY: RIO ARRIBA ST: NEW MEXICO

EXCAVATION APPROX: N/A FT. X N/A FT. X N/A FT. DEEP CUBIC YARDAGE: N/A

DISPOSAL FACILITY: N/A REMEDIATION METHOD: N/A

LAND OWNER: API: 30-039-25803 BGT / PIT VOLUME: 120 bbl

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

LOCATION APPROXIMATELY: 75 FT. 295° FROM WELLHEAD

DEPTH TO GROUNDWATER: unknown SW = 150' = 100ppm TPH Closure

__ 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

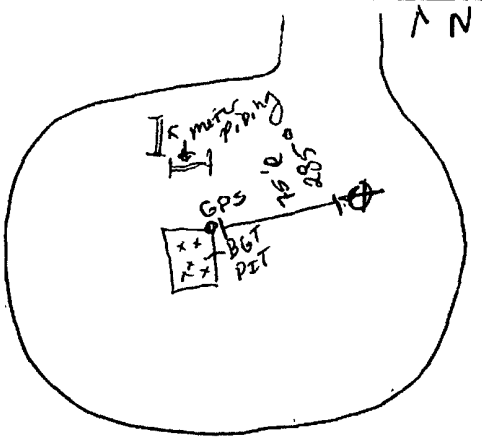
X PERMANENT PIT OR BGT

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)
11:00	200 STD	—	-	-	-	204	—
11:03	5pt Comp	1	5	5	20	27	108
		2					
		3					
		4					
		5					
		6					

PERIMETER



x = Samples

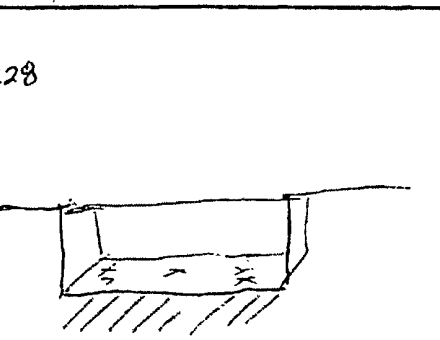
FIELD CHLORIDES RESULTS

SAMPLE ID	READING	CALC. (mg/kg)
1	0.0	0.0

PID RESULTS

SAMPLE ID	RESULTS (mg/kg)
1	0.0

PROFILE



LAB SAMPLES

SAMPLE ID	ANALYSIS	RESULTS
	BENZENE	
	BTEX	
	GRO & DRO	
	CHLORIDES	

NOTES: PIT REMOVED PRIOR TO ARRIVAL. STANDING water in Bottom of PIT & Soil SAMPLE To Lab For 8015/8021/Cl-

WORKORDER # WHO ORDERED

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-1685
Sample No.:	1	Date Reported:	5/6/2011
Sample ID:	5 Pt. Composite	Date Sampled:	4/29/2011
Sample Matrix:	Soil	Date Analyzed:	4/29/2011
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**108**	**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 #42A (hBr)**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Toni McKnight, EIT
Printed

Review

Robyn Jones, EIT
Printed

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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 29-Apr-11

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	204
	500	
	1000	

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

Analyst — Date: 5/6/2011

Toni McKnight, EIT
Print Name

Review — Date: 5/6/2011

Robyn Jones, EIT
Print Name

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Field Chloride

Client:	ConocoPhillips	Project #:	92115-1685
Sample No.:	1	Date Reported:	5/6/2011
Sample ID:	5 Pt. Composite	Date Sampled:	4/29/2011
Sample Matrix:	Soil	Date Analyzed:	4/29/2011
Preservative:	Cool	Analysis Needed:	Chloride
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Field Chloride	**ND**	**28.0**

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 #42A (hBr)**

Analyst

Toni McKnight, EIT
Printed

Review

Robyn Jones, EIT
Printed

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Analytical Laboratory

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	ConocoPhillips	Project #:	92115-1685
Sample ID:	5 Pt Composite	Date Reported:	05-02-11
Laboratory Number:	58022	Sampled:	04-29-11
Chain of Custody No:	11625	Date Received:	04-29-11
Sample Matrix:	Soil	Date Extracted:	04-29-11
Preservative:	Cool	Date Analyzed:	05-02-11
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 #42A**

Analyst

Review

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EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	05-02-11 QA/QC	Date Reported:	05-02-11
Laboratory Number:	58022	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-02-11
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	40665	1.005E+03	1.005E+03	**0.04%**	**0 - 15%**
Diesel Range C10 - C28	40665	9.996E+02	1.000E+03	**0.04%**	**0 - 15%**

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	**52.02**	**0.2**
Diesel Range C10 - C28	**1.95**	**0.1**

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Range
Gasoline Range C5 - C10	**ND**	**ND**	**0.00%**	**0 - 30%**
Diesel Range C10 - C28	**ND**	**ND**	**0.00%**	**0 - 30%**

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	**ND**	**250**	**219**	**87.5%**	**75 - 125%**
Diesel Range C10 - C28	**ND**	**250**	**253**	**101%**	**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 58022**

Analyst

Review

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	92115-1685
Sample ID:	5 Pt Composite	Date Reported:	05-02-11
Laboratory Number:	58022	Date Sampled:	04-29-11
Chain of Custody:	11625	Date Received:	04-29-11
Sample Matrix:	Soil	Date Analyzed:	05-02-11
Preservative:	Cool	Date Extracted:	04-29-11
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	**97.4 %**
	1,4-difluorobenzene	**97.3 %**
	Bromochlorobenzene	**91.3 %**

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 #42A**

Analyst

Review

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	0502BBLK QA/QC	Date Reported:	05-02-11
Laboratory Number:	58022	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-02-11
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	1.1850E+005	1.1874E+005	0.2%	ND	0.1
Toluene	1.2941E+005	1.2967E+005	0.2%	ND	0.1
Ethylbenzene	1.1152E+005	1.1174E+005	0.2%	ND	0.1
p,m-Xylene	2.6075E+005	2.6128E+005	0.2%	ND	0.1
o-Xylene	1.0600E+005	1.0622E+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	523	105%	39 - 150
Toluene	ND	500	528	106%	46 - 148
Ethylbenzene	ND	500	524	105%	32 - 160
p,m-Xylene	ND	1000	1,040	104%	46 - 148
o-Xylene	ND	500	532	106%	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 58022

Analyst

Review

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Chloride

Client:	ConocoPhillips	Project #:	92115-1685
Sample ID:	5 Pt Composite	Date Reported:	05/11/11
Lab ID#:	58022	Date Sampled:	04/29/11
Sample Matrix:	Soil	Date Received:	05/10/11
Preservative:	Cool	Date Analyzed:	05/11/11
Condition:	Intact	Chain of Custody:	11625

Parameter	Concentration (mg/Kg)
Total Chloride	**70**

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 #42A**

Analyst

Review

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RUSH

CHAIN OF CUSTODY RECORD

RUSH 1625

Client: CONOCO PHILLIPS	Project Name / Location: SAN JUAN 30-6 #42A	ANALYSIS / PARAMETERS
Client Address:	Sampler Name: T. McKnight	
Client Phone No.:	Client No.: 92115-1685	

Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative HgCl₂	Preservative HCl	Preservative Cool	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 COMPOSITE	4/29/11	11:08	58022	(Soil) Sludge Solid Aqueous	1/4oz			✓	✓	✓								✓				Y	Y
				Soil Sludge Solid Aqueous														✓	Rerun added per Greg ✓ Tony 5/10/11				
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
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				Soil Sludge Solid Aqueous																			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Toni McKnight	4/29/11	14:15	Randi Vaquez	4/29/11	14:15
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

RUSH

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