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

30-045-29957

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 **Reese Mesa 13**	Facility Type **Gas Well API# 3004529957**	
Surface Owner **Federal**	Mineral Owner **Federal**	Lease No. **NM- 6892**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	**13**	**32N**	**08W**	**1455'**	**South**	**885'**	**West**	**San Juan**

Latitude 36.97984° N Longitude -107.63234° W

NATURE OF RELEASE

Type of Release – **Produced Water**	Volume of Release – **Unknown**	Volume Recovered –
Source of Release: **Below Grade Tank**	Date and Hour of Occurrence **Unknown**	Date and Hour of Discovery **5/10/11**
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 activities.**

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 (116 ppm) using USEPA Method 418.1, confirming a release. However, as the closure standard for TPH at this site is 5000 ppm, 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: **9/1/11** Phone: **505-599-3403**		

* Attach Additional Sheets If Necessary

nJK1129428853

RECEIVED
SEP 2011
OIL CONS. DIV. DIST. 3

envirotech

June 13, 2011 Project Number 92115-1694

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

RE: BELOW-GRADE TANK CLOSURE DOCUMENTATION FOR THE REESE MESA #13 (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 Reese Mesa #13 (hBr) well site located in Section 13, Township 32 North, Range 8 West, San Juan County, New Mexico. Upon Envirotech personnel's arrival on May 10, 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, 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 benzene and BTEX using USEPA Method 8021 and for 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, 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 418.1; 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

AGE NO: 1 OF 1

ATE STARTED: 5/10/11
ATE FINISHED: 5/10/11

ENVIROTECH INC

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

ENVIRONMENTAL SPECIALIST: C. Delgan

LAT: 36.97989155
LONG: -107.632935349

FIELD REPORT: BGT / PIT CLOSURE VERIFICATION

OCATION: NAME: Reese Mesa #13 WELL #: TEMP PIT: PERMANENT PIT: BGT: ✓
GAL ADD: UNIT: L SEC: 13 TWP: 32N RNG: 8W PM: NM
TR/FOOTAGE: CNTY: San Juan ST: New Mexico

XCAVATION APPROX: NA FT. X NA FT. X FT. DEEP CUBIC YARDAGE:
ISPOSAL FACILITY: NA REMEDIATION METHOD: NA
AND OWNER: API: BGT / PIT VOLUME: NA
ONSTRUCTION MATERIAL: DOUBLE-WALLED, WITH LEAK DETECTION:

OCATION APPROXIMATELY: 82 FT. 313° FROM WELLHEAD
EPTH TO GROUNDWATER: ~~200~~ 210'

__ 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

✓ 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)
12:14	200 STD	—	-	-	-	200	
12:16	BGT Comp	1	5	20	4	29	116
		2					
		3					
		4					
		5					
		6					

PERIMETER

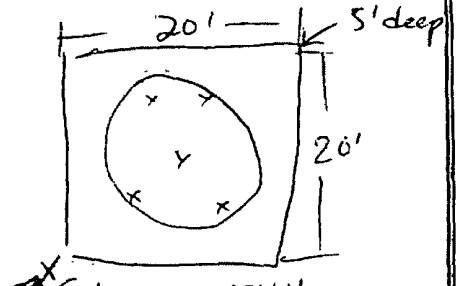
FIELD CHLORIDES RESULTS

SAMPLE ID	READING	CALC. (mg/kg)
Cl STD	1.0	23
BGT	18.4	434
Background	0.2	< 28

PID RESULTS

SAMPLE ID	RESULTS (mg/kg)
BGT Composite	16.4

PROFILE



N 36° 58.8111'
W 107° 37.9878'

LAB SAMPLES

SAMPLE ID	ANALYSIS	RESULTS
BGT Comp	BENZENE	
	BTEX	
	GRO & DRO	
BGT Comp	CHLORIDES	

NOTES:
Soil is of clay consistancy
Called Kelsi: Sample to lab

WORKORDER # WHO ORDERED

Client: ConocoPhillips

envirotech
(505) 632-0615 (800) 362-1879
5796 U.S. Hwy 64, Farmington, NM 87401

Location No: 92115
C.O.C. No: 191694

FIELD REPORT: SPILL CLOSURE VERIFICATION

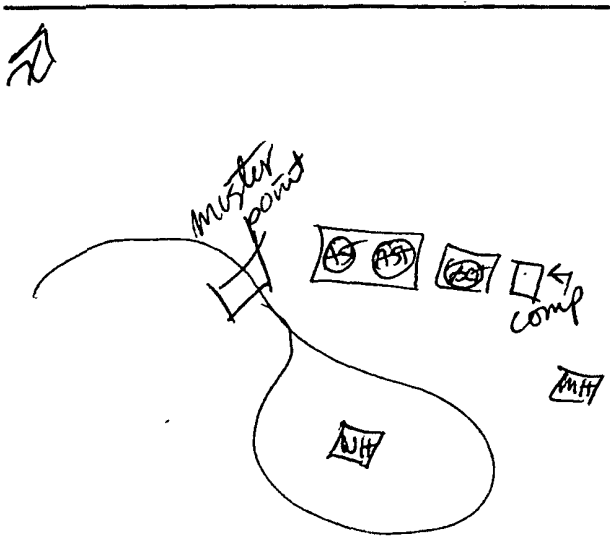
PAGE NO: 1 OF 1
DATE STARTED: 5/10/11
DATE FINISHED: 5/10/11
ENVIRONMENTAL SPECIALIST: C Delgen

LOCATION: NAME: Reese Mesa WELL #: 13
QUAD/UNIT: L SEC: 13 TWP: 32N RNG: 8W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: CONTRACTOR:

EXCAVATION APPROX: NA FT. X NA FT. X NA FT. DEEP CUBIC YARDAGE: NA
DISPOSAL FACILITY: NA REMEDIATION METHOD: NA
LAND USE: LEASE: LAND OWNER:
CAUSE OF RELEASE: BGT removal MATERIAL RELEASED: Produced Water
SPILL LOCATED APPROXIMATELY: 82 FT. 313° FROM WH
DEPTH TO GROUNDWATER: 210' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: 1050'
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM
SOIL AND EXCAVATION DESCRIPTION:
Soil is clay substance

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
200 STD	12:14	—	—	—	—	—	200	—
BGT Composite	12:16	1		5	20	4	29	116

SPILL PERIMETER



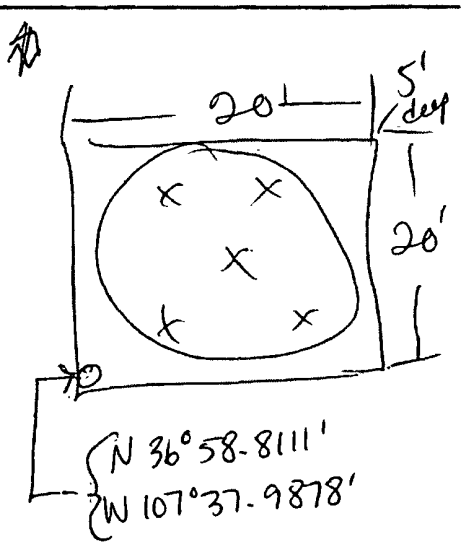
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	6.4

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1	8021	14:56
1	Cl-	14:56

SPILL PROFILE



N 36° 58.8111'
W 107° 37.9878'

TRAVEL NOTES: CALLED OUT: ONSITE:

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-1694
Sample No.:	1	Date Reported:	5/19/2011
Sample ID:	BGT Composite	Date Sampled:	5/10/2011
Sample Matrix:	Soil	Date Analyzed:	5/10/2011
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**116**	**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: **Reese Mesa #13 (hBr)**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Crystal Delgai
Printed

Review

Robyn Jones, EIT
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

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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 10-May-11

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

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

Analyst

5/19/2011
Date

Crystal Delgai
Print Name

Review

5/19/2011
Date

Robyn Jones, EIT
Print Name

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Field Chloride

Client:	ConocoPhillips	Project #:	92115-1694
Sample No.:	1	Date Reported:	5/19/2011
Sample ID:	BGT Composite	Date Sampled:	5/10/2011
Sample Matrix:	Soil	Date Analyzed:	5/10/2011
Preservative:	Cool	Analysis Needed:	Chloride
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Field Chloride	**434**	**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: **Reese Mesa #13 (hBr)**

Analyst

Crystal Delgai
Printed

Review

Robyn Jones, EIT
Printed

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Analytical Laboratory

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	92115-1694
Sample ID:	BGT Composite	Date Reported:	05-11-11
Laboratory Number:	58150	Date Sampled:	05-10-11
Chain of Custody:	11717	Date Received:	05-10-11
Sample Matrix:	Soil	Date Analyzed:	05-11-11
Preservative:	Cool	Date Extracted:	05-10-11
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	**104 %**
	1,4-difluorobenzene	**93.6 %**
	Bromochlorobenzene	**94.1 %**

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/Reese Mesa #13**

Analyst

Review

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Analytical Laboratory

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	0511BBLK QA/QC	Date Reported:	05-11-11
Laboratory Number:	58150	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-11-11
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	1.1723E+005	1.1747E+005	0.2%	ND	0.1
Toluene	1.2599E+005	1.2624E+005	0.2%	ND	0.1
Ethylbenzene	1.1477E+005	1.1500E+005	0.2%	ND	0.1
p,m-Xylene	2.6499E+005	2.6552E+005	0.2%	ND	0.1
o-Xylene	1.1122E+005	1.1144E+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	501	100%	39 - 150
Toluene	ND	500	515	103%	46 - 148
Ethylbenzene	ND	500	489	97.7%	32 - 160
p,m-Xylene	ND	1000	968	96.8%	46 - 148
o-Xylene	ND	500	492	98.4%	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 58139, 58150

Analyst

Review

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Analytical Laboratory

Chloride

Client:	ConocoPhillips	Project #:	92115-1694
Sample ID:	BGT Composite	Date Reported:	05/11/11
Lab ID#:	58150	Date Sampled:	05/10/11
Sample Matrix:	Soil	Date Received:	05/10/11
Preservative:	Cool	Date Analyzed:	05/11/11
Condition:	Intact	Chain of Custody:	11717

Parameter	Concentration (mg/Kg)
Total Chloride	**200**

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/Reese Mesa #13**

Analyst

Review

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CHAIN OF CUSTODY RECORD (RUSH) 11717

Client: ConocoPhillips	Project Name / Location: BGT Closure / Reese Mesa #1B
Client Address:	Sampler Name: Crystal Delgai
Client Phone No.:	Client No.: 92115-1694

ANALYSIS / PARAMETERS

Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative $HgCl_2$	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
BGT Composite	5/10/11	12:16	58150	(Soil) Solid Sludge Aqueous	1-4oz			✓		✓								✓				Y	Y
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
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				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Crystal Delgai	5/10/11	14:56	[signature]	5/10/11	14:56
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

XRUSHX

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Analytical Laboratory

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