

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

30-045-31572

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	Morris A Com 100	Facility Type	Gas Well API#3004531572
Surface Owner	Federal	Mineral Owner	Federal
		Lease No.	SF-078138

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	14	30N	11W	1940'	North	1530'	West	San Juan

Latitude 36.81026° N Longitude -107.96366° 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.**

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 (656 ppm) using USEPA Method 418.1, confirming a release. The sample was then analyzed for USEPA Method 8015 and returned results below regulatory standard (Non Detect); therefore no further action 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>	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Kelsi Harrington	Approved by District Supervisor: <i>Red Hill</i>	
Title: Environmental Consultant	Approval Date: <i>10/11/11</i>	Expiration Date:
E-mail Address: kelsi.g.harrington@conocophillips.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 8/31/2011	Phone: 505-599-3403	

* Attach Additional Sheets If Necessary

nJK1129356205





March 18, 2011

Project Number 92115-1597

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

Phone: (505) 599-3403

**RE: BELOW GRADE TANK CLOSURE DOCUMENTATION FOR THE MORRIS A COM #100
(HBR) WELL SITE, SAN JUAN COUNTY, NEW MEXICO**

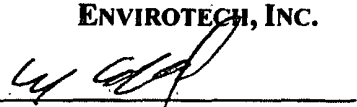
Dear Ms. Harrington:

Attached please find the field notes and analytical results for below grade tank (BGT) closure activities performed at the Morris A Com #100 (hBr) well site located in Section 14, Township 30 North, Range 11 West, San Juan County, New Mexico. Upon Envirotech personnel's arrival on February 25, 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. 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 100 ppm TPH and 100 ppm organic vapors due to horizontal distance to surface water between 200 and 1000 feet and depth to groundwater between 50 and 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 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.


Evan Crawford
Environmental Field Technician
ecrawford@envirotech-inc.com

Enclosures: Field Notes
Analytical Results

Cc: Client File 92115

AGE NO: <u>1</u> OF <u> </u>	ENVIROTECH INC ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615	ENVIRONMENTAL SPECIALIST: <u>EHC</u> <u>RJ</u> LAT: <u>36.81025739</u> / <u>36° 48' 37"</u> LONG: <u>-107.9642465</u> / <u>107° 57' 53"</u>
DATE STARTED: <u>2/25/11</u> DATE FINISHED: <u> </u>		

FIELD REPORT: BGT / PIT CLOSURE VERIFICATION

LOCATION: NAME: Morris A Cam WELL #: 100 TEMP PIT: PERMANENT PIT: BGT: ✓
 LEGAL ADD: UNIT: K SEC: 14 TWP: 30N RNG: 11W PM: NM PM
 TR/FOOTAGE: 1940' FS - 1478' FWL CNTY: San Juan ST: New Mexico

EXCAVATION APPROX: 17 FT. X 17 FT. X 6 FT. DEEP CUBIC YARDAGE:
 DISPOSAL FACILITY: N/A moving to new location REMEDIATION METHOD: N/A moving to new location
 AND OWNER: API: 3004536166 BGT / PIT VOLUME: 120 barrels
 CONSTRUCTION MATERIAL: steel DOUBLE-WALLED, WITH LEAK DETECTION: Yes

LOCATION APPROXIMATELY: 641 FT. 180' FROM WELLHEAD

DEPTH TO GROUNDWATER: 65'

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

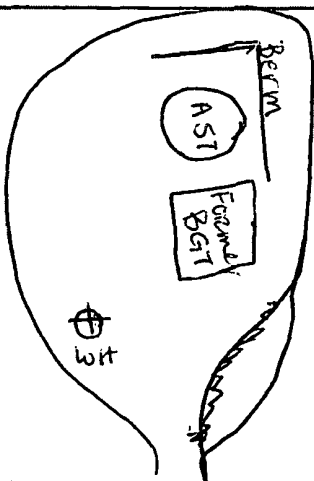
FIELD 418.1 ANALYSIS

TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (mg/kg)
12:00	200 STD	—	—	—	—	217	—
12:10	Beneath 361	1	5	20	4	164	656
	2						
	3						
	4						
	5						
	6						

PERIMETER

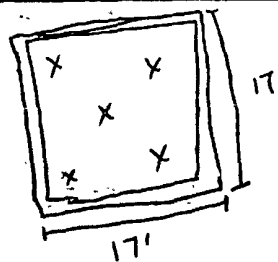
FIELD CHLORIDES RESULTS

PROFILE



SAMPLE ID	READING	CALC. (mg/kg)
1	3.8	168

PID RESULTS	
SAMPLE ID	RESULTS (mg/kg)
100 Std	100
1	0.0



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

NOTES: Lease # 5F-078138
Simple collected using backhoe
Sandstone at bottom

WORKORDER # WHO ORDERED



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

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

Project #: 92115-1597
Date Reported: 3/8/2011
Date Sampled: 2/25/2011
Date Analyzed: 2/25/2011
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	656	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: **Morris A Com #100 (hBr)**

Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

Evan Crawford
Printed



Review

Toni McKnight, EIT
Printed



CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 25-Feb-11

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	217
	200	
	500	
	1000	

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



Analyst

3/8/2011

Date

Evan Crawford

Print Name



Review

3/8/2011

Date

Toni McKnight, EIT

Print Name



Field Chloride

Client:	ConocoPhillips	Project #:	92115-1597
Sample No.:	1	Date Reported:	3/8/2011
Sample ID:	Beneath BGT	Date Sampled:	2/25/2011
Sample Matrix:	Soil	Date Analyzed:	2/25/2011
Preservative:	Cool	Analysis Needed:	Chloride
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Field Chloride	168	33.0
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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: **Morris A Com #100 (hBr)**


Analyst

Evan Crawford

Printed


Review

Toni McKnight, EIT

Printed

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

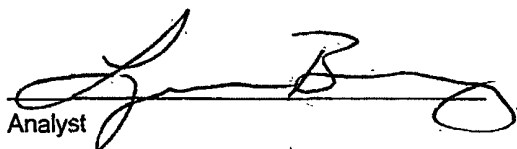
Client:	ConocoPhillips	Project #:	92115-1597
Sample ID:	Beneath BGT	Date Reported:	02-28-11
Laboratory Number:	57370	Date Sampled:	02-25-11
Chain of Custody No:	11243	Date Received:	02-25-11
Sample Matrix:	Soil	Date Extracted:	02-28-11
Preservative:	Cool	Date Analyzed:	02-28-11
Condition:	Intact	Analysis Requested:	8015 TPH

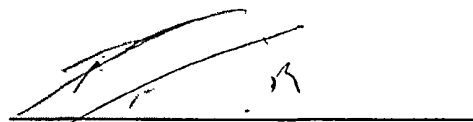
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

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: **Morris A Com 100 (hBr)**


Analyst


Review

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	02-28-11 QA/QC	Date Reported:	02-28-11
Laboratory Number:	57365	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-28-11
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	02-28-11	9.9960E+002	1.0000E+003	0.04%	0 - 15%
Diesel Range C10 - C28	02-28-11	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

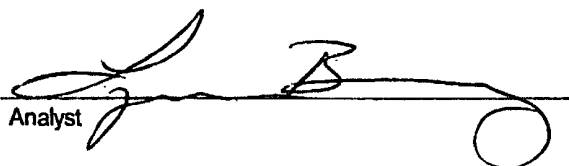
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

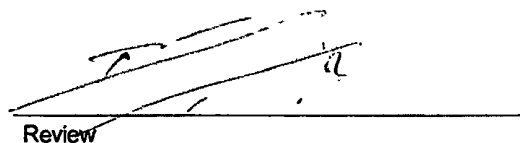
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	258	103%	75 - 125%
Diesel Range C10 - C28	ND	250	253	101%	75 - 125%

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 57364-57365, 57367-57373, 57394

Analyst 

Review 

**EPA METHOD 8021
 AROMATIC VOLATILE ORGANICS**

Client:	ConocoPhillips	Project #:	92115-1597
Sample ID:	Beneath BGT	Date Reported:	02-28-11
Laboratory Number:	57370	Date Sampled:	02-25-11
Chain of Custody:	11243	Date Received:	02-25-11
Sample Matrix:	Soil	Date Analyzed:	02-28-11
Preservative:	Cool	Date Extracted:	02-28-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	1.4	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	37.1	1.2
o-Xylene	4.9	0.9
Total BTEX	43.4	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	84.7 %
	1,4-difluorobenzene	89.5 %
	Bromochlorobenzene	104 %

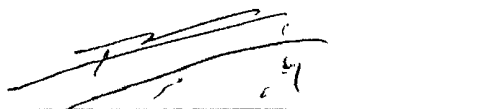
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

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

Comments: Morris A Com 100 (hBr)



 Analyst



 Review

Client:	N/A	Project #:	N/A
Sample ID:	0228BBLK QA/QC	Date Reported:	02-28-11
Laboratory Number:	57364	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-28-11
Condition:	N/A	Analysis:	BTEX
		Dilution:	10

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff:	Blank Conc	Detect Limit
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Benzene	1.3918E+005	1.3946E+005	0.2%	ND	0.1
Toluene	1.5480E+005	1.5511E+005	0.2%	ND	0.1
Ethylbenzene	1.3348E+005	1.3375E+005	0.2%	ND	0.1
p,m-Xylene	3.0206E+005	3.0266E+005	0.2%	ND	0.1
o-Xylene	1.3017E+005	1.3043E+005	0.2%	ND	0.1

Duplicate Conc: (ug/Kg)	Sample	Duplicate	%Diff:	Accept Range	Detect Limit
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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
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Benzene	ND	500	536	107%	39 - 150
Toluene	ND	500	520	104%	46 - 148
Ethylbenzene	ND	500	516	103%	32 - 160
p,m-Xylene	ND	1000	1,040	104%	46 - 148
o-Xylene	ND	500	501	100%	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 Photolization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 57364-57365, 57367-57368, 57370-57373, 57254, 57260

Analyst

Review

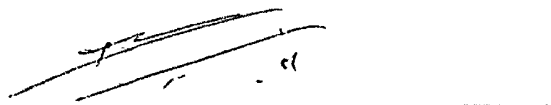
Chloride

Client:	ConocoPhillips	Project #:	92115-1597
Sample ID:	Beneath BGT	Date Reported:	02/28/11
Lab ID#:	57370	Date Sampled:	02/25/11
Sample Matrix:	Soil	Date Received:	02/25/11
Preservative:	Cool	Date Analyzed:	02/28/11
Condition:	Intact	Chain of Custody:	11243

Parameter**Concentration (mg/Kg)****Total Chloride****100**

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: **Morris A Com 100 (hBr)**



Analyst
Review

CHAIN OF CUSTODY RECORD

11243

Client: ConocoPhillips			Project Name / Location: Morris A Com 100 (hBr)			ANALYSIS / PARAMETERS RUSH														
Client Address:			Sampler Name: E. Crawford / R Jones																	
Client Phone No.:			Client No.: 92115-1597																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative HgCl ₂ HCl Cu	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
Beneath BERT	2/25/11	11:45	57370	Soil Solid	1-4oz		X	X	X							X			Y	Y
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
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Relinquished by: (Signature)			Date	Time	Received by: (Signature)										Date	Time				
Relinquished by: (Signature)			2/25/11	13:25											2/25/11	13:25				
Relinquished by: (Signature)																				

RUSH



envirotech
Analytical Laboratory

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