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

30-045-10290

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 **Federal A 1**	Facility Type **Gas Well API# 3004510290**
Surface Owner **Federal**	Mineral Owner **Federal**	Lease No. **NMSF-078464**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	**25**	**31N**	**13W**	**1600'**	**South**	**1740'**	**West**	**San Juan**

Latitude 36.868° N **Longitude -108.15814° 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 **7/8/2011**
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.	

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 regulatory standards for Benzene, BTEX and Chlorides but above regulatory standards for TPH (124 ppm), confirming a release. However, as the closure standard for TPH at this site is 1000 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: **8/31/11** Phone: **505-599-3403**	

* Attach Additional Sheets If Necessary

nJK1129355870

RECEIVED
SEP 2011
OIL CONS. DIV. DIST. 3

envirotech

August 24, 2011 Project Number 96052-1969

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

RE: BELOW-GRADE TANK CLOSURE DOCUMENTATION FOR THE FEDERAL A #1 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 Federal A #1 well site located in Section 27, Township 30 North, Range 11 West, San Juan County, New Mexico. 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 1000 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 using USEPA Method 418.1; see attached ***Analytical Results***. Envirotech, Inc. recommends no further action in regards to this incident.

Upon Envirotech personnel's arrival on July 8, 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 benzene and total BTEX using USEPA Method 8021 and for total 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; see attached ***Analytical Results***.

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.

John Rollins
Environmental Field Technician
jrollins@envirotech-inc.com

Enclosures: Analytical Results
Field Notes

Cc: Client File 96052

Client:	envirotech	Project No:
Conoco	(505) 632-0615 (800) 362-1879 5796 U.S. Hwy 64, Farmington, NM 87401	96052-1969 COC No:

FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 7/8/11

DATE FINISHED: 7/8/11

ENVIRONMENTAL SPECIALIST: JC

LOCATION: NAME: Federal A WELL #: 1

QUAD/UNIT: SEC: 27 TWP: 30N RNG: 11W PM: NM CNTY: SJ ST: NM

QTR/FOOTAGE: 1780 FNL & 1840 FWL 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: BGT Materials

SPILL LOCATED APPROXIMATELY: 36.8 FT. S/S FROM Well head

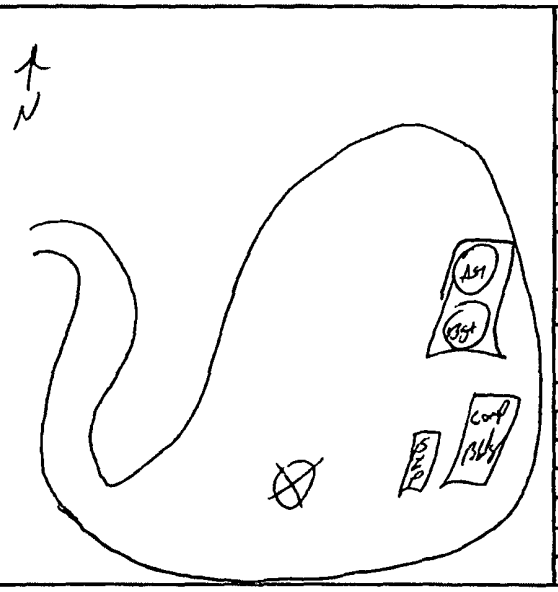
DEPTH TO GROUNDWATER: 310 ft NEAREST WATER SOURCE: 7100 ft NEAREST SURFACE WATER: 304 ft

NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION:

SAMPLE DESCRIPITION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
200 STD	12:15	STD	—	—	—	—	198	198
Composite	12:35	1	—	5	20	4	31	124

SPILL PERIMETER



OVM RESULTS

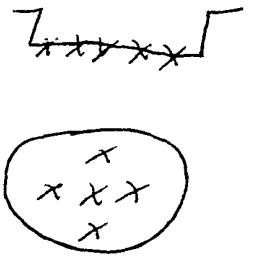
SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	ND

~~LAB SAMPLES~~

SAMPLE ID	ANALYSIS	~~TIME~~
1	CL	28

SPILL PROFILE

X = Sample point



TRAVEL NOTES: CALLED OUT: ONSITE:

PAGE NO: 1 OF	**ENVIROTECH INC** ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615	ENVIRONMENTAL SPECIALIST: BF
DATE STARTED: 7/8/11		LAT: 36.78585374
DATE FINISHED: 7/8/11		LONG: -107.98085156

FIELD REPORT: BGT / PIT CLOSURE VERIFICATION

LOCATION:	NAME: Federal A	WELL #: 1	TEMP PIT:	PERMANENT PIT:	BGT: D	
LEGAL ADD:	UNIT:	SEC: 27	TWP: 30N	RNG: 11W	PM: NM	
QTR/FOOTAGE:	1780 FNL & 1840 FWL	CNTY: SJ		ST: NM		

EXCAVATION APPROX:	NA FT.	X NA FT.	X NA	FT. DEEP	CUBIC YARDAGE: NA
DISPOSAL FACILITY:	NA		REMEDIATION METHOD: NA		
LAND OWNER:		API:		BGT / PIT VOLUME: 120 barrels	
CONSTRUCTION MATERIAL:	Steel	DOUBLE-WALLED, WITH LEAK DETECTION:		Single/Single	

LOCATION APPROXIMATELY: 36-8 FT. 45° FROM WELLHEAD

DEPTH TO GROUNDWATER: 310 ft

___ 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

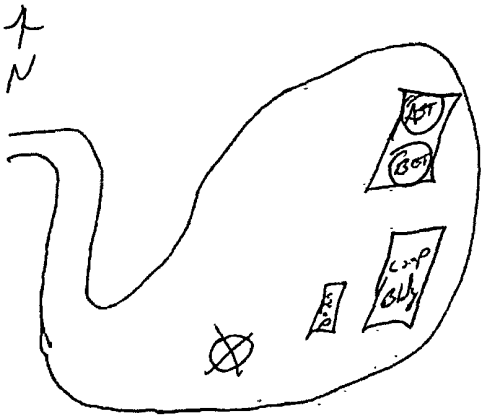
X PERMANENT PIT OR BGT

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)
12:15	200 STD		-	-	-	198	
12:35	1	1	5	20	4	31	124
		2					
		3					
		4					
		5					
		6					

PERIMETER



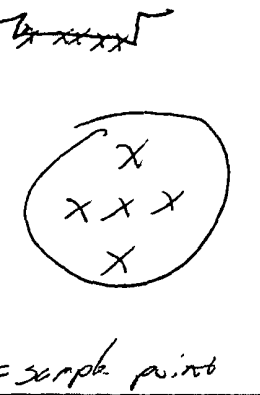
FIELD CHLORIDES RESULTS

SAMPLE ID	READING	CALC. (mg/kg)
~~1~~	~~1~~	
1	1	28

PID RESULTS

SAMPLE ID	RESULTS (mg/kg)
1	ND

PROFILE



X = sample point

LAB SAMPLES

SAMPLE ID	ANALYSIS	RESULTS
	BENZENE	
	BTEX	
	GRO & DRO	
	CHLORIDES	

NOTES:

WORKORDER # WHO ORDERED

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	96052-1969
Sample No.:	1	Date Reported:	7/25/2011
Sample ID:	BGT Composite	Date Sampled:	7/8/2011
Sample Matrix:	Soil	Date Analyzed:	7/8/2011
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**124**	**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: **Federal A #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

John Rollins
Printed

Review

Robyn Heidbrier, EIT
Printed

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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 8-Jul-11

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

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

Analyst

7/25/2011
Date

John Rollins
Print Name

Review

7/25/2011
Date

Robyn Heidbrier, EIT
Print Name

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Field Chloride

Client:	ConocoPhillips	Project #:	96052-1969
Sample No.:	1	Date Reported:	7/25/2011
Sample ID:	BGT Composite	Date Sampled:	7/8/2011
Sample Matrix:	Soil	Date Analyzed:	7/8/2011
Preservative:	Cool	Analysis Needed:	Chloride
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Field Chloride	**28**	**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: **Federal A #1**

Analyst

John Rollins
Printed

Review

Robyn Heidbrier, EIT
Printed

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-1969
Sample ID:	1	Date Reported:	07-11-11
Laboratory Number:	58868	Date Sampled:	07-08-11
Chain of Custody:	12149	Date Received:	07-08-11
Sample Matrix:	Soil	Date Analyzed:	07-11-11
Preservative:	Cool	Date Extracted:	07-11-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**0.9**
Toluene	**30.3**	**1.0**
Ethylbenzene	**2.2**	**1.0**
p,m-Xylene	**58.5**	**1.2**
o-Xylene	**11.5**	**0.9**
Total BTEX	**103**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**84.5 %**
	1,4-difluorobenzene	**92.8 %**
	Bromochlorobenzene	**90.6 %**

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: **Federal A #1**

Analyst

Review

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Analytical Laboratory

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	0711BBLK QA/QC	Date Reported:	07-11-11
Laboratory Number:	58868	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-11-11
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	3.4613E+006	3.4683E+006	0.2%	ND	0.1
Toluene	3.6257E+006	3.6330E+006	0.2%	ND	0.1
Ethylbenzene	3.1847E+006	3.1911E+006	0.2%	ND	0.1
p,m-Xylene	9.0483E+006	9.0664E+006	0.2%	ND	0.1
o-Xylene	3.0788E+006	3.0849E+006	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	30.3	33.7	11.2%	0 - 30%	1.0
Ethylbenzene	2.2	2.1	4.5%	0 - 30%	1.0
p,m-Xylene	58.5	58.0	0.9%	0 - 30%	1.2
o-Xylene	11.5	10.7	7.0%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	500	470	94.0%	39 - 150
Toluene	30.3	500	576	109%	46 - 148
Ethylbenzene	2.2	500	482	96.0%	32 - 160
p,m-Xylene	58.5	1000	1,070	101%	46 - 148
o-Xylene	11.5	500	491	95.9%	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 58868-58874, 58840, 58878-58879

Analyst

Review

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Analytical Laboratory

Chloride

Client:	ConocoPhillips	Project #:	96052-1969
Sample ID:	1	Date Reported:	07/11/11
Lab ID#:	58868	Date Sampled:	07/08/11
Sample Matrix:	Soil	Date Received:	07/08/11
Preservative:	Cool	Date Analyzed:	07/11/11
Condition:	Intact	Chain of Custody:	12149

Parameter	Concentration (mg/Kg)
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: **Federal A #1**

Analyst

Review

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CHAIN OF CUSTODY RECORD RUSH 12149

Client: Conoco	Project Name / Location: Federal A #1
Client Address:	Sampler Name: John R
Client Phone No.:	Client No.: 96052-1969

ANALYSIS / PARAMETERS

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
1	7/8/11	12:10	58868	(Soil) Sludge Solid Aqueous	4 oz			✓		✓								✓				Y	Y
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	7/8/11	14:00	Randi Vaquera	7/8/11	14:00
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

RUSH

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Analytical Laboratory