

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

30-045-29903

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 Kessler Com 3A	Facility Type Gas Well API# 3004529903
Surface Owner Federal	Mineral Owner Federal
Lease No. NMSF-078198	

LOCATION OF RELEASE

Unit Letter A	Section 25	Township 30N	Range 11W	Feet from the 1010'	North/South Line North	Feet from the 1025'	East/West Line East	County San Juan
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Latitude **36.78726° N** Longitude **-107.93684° 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 1/13/2011
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 removal activities.**

Describe Area Affected and Cleanup Action Taken.* **The sample returned results below the regulatory standards for TPH, Benzene and BTEX but above regulatory standard for Chlorides, confirming a release. However, there is low environmental risk to groundwater (estimated at 180' deep); 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: <i>Kelsi Harrington</i>	OIL CONSERVATION DIVISION	
Printed Name: Kelsi Harrington	Approved by District Supervisor: <i>[Signature]</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

NJK1129355572

RCVD SEP 7 '11
OIL CONS. DIV.
DIST. 3

12



March 1, 2011

Project Number 92115-1558

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

Phone: (505) 599-3403

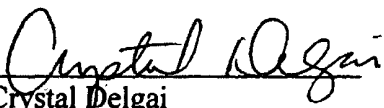
**RE: BELOW-GRADE TANK CLOSURE DOCUMENTATION FOR THE KESSLER COM 3A
(HBR) WELL SITE, SAN JUAN COUNTY, NEW MEXICO**

Dear Ms. Harrington,

Enclosed please find the field notes and analytical results for below-grade tank (BGT) closure activities performed at the Kessler Com 3A (hBr) well site located in Section 25, Township 30 North, Range 11 West, San Juan County, New Mexico. Upon Envirotech personnel's arrival on January 13, 2011, one (1) five (5) point composite sample was collected from beneath the former BGT. The sample collected was analyzed in the field for total petroleum hydrocarbons (TPH) using USEPA Method 418.1, and screened in the field for organic vapors using a photoionization detector (PID) and chlorides. The sample returned results below the regulatory standards for TPH and organic vapors but above the regulatory standards for chlorides; see attached *Field Sheet*. A background sample was collected to determine the naturally occurring chloride content of the soil. The sample collected from under BGT 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 total chlorides using USEPA Method 4500. The sample collected from the background was also 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 total chlorides using USEPA Method 4500. The composite sample taken from beneath the BGT returned results below the regulatory standards for all constituents analyzed with the exception of chloride which was more than 250 ppm over the background chlorides confirming a release had occurred; see attached *Analytical Results*. Envirotech Inc. recommends following the direction of the NMOCD to remediate this spill.

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: Analytical Results
Field Notes

Cc: Client File 92115

PAGE NO: <u>1</u> OF <u>1</u>	ENVIROTECH INC ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615	ENVIRONMENTAL SPECIALIST: <u>C.D. / R.G.</u> LAT: <u>36.78124306</u> LONG: <u>-107.9313525</u>
DATE STARTED: <u>1-13-11</u>		
DATE FINISHED: <u>1-13-11</u>		

FIELD REPORT: BGT / PIT CLOSURE VERIFICATION

LOCATION: NAME: Kessler Com 3A WELL #: 3A TEMP PIT: PERMANENT PIT: BGT: ☒
 LEGAL ADD: UNIT: A SEC: 25 TWP: 30N RNG: 11W PM: ..
 TR/FOOTAGE: 1025' E 1010' N CNTY: San Juan ST: NM

EXCAVATION APPROX: 18 FT. X 19 FT. X 3 FT. DEEP CUBIC YARDAGE:
 DISPOSAL FACILITY: REMEDIATION METHOD:
 AND OWNER: Federal API: 300452-9903 BGT / PIT VOLUME:
 CONSTRUCTION MATERIAL: DOUBLE-WALLED, WITH LEAK DETECTION:
 LOCATION APPROXIMATELY: 57 FT. West FROM WELLHEAD
 DEPTH TO GROUNDWATER: > 100'

- ☐ TEMPORARY PIT - GROUNDWATER 50-100 FEET DEEP
 BENZENE \leq 0.2 mg/kg, BTEX \leq 50 mg/kg, GRO & DRO FRACTION (8015) \leq 500 mg/kg, TPH (418.1) \leq 2500 mg/kg, CHLORIDES \leq 500 mg/kg
☐ TEMPORARY PIT - GROUNDWATER \geq 100 FEET DEEP
 BENZENE \leq 0.2 mg/kg, BTEX \leq 50 mg/kg, GRO & DRO FRACTION (8015) \leq 500 mg/kg, TPH (418.1) \leq 2500 mg/kg, CHLORIDES \leq 1000 mg/kg
☒ PERMANENT PIT OR BGT
 BENZENE \leq 0.2 mg/kg, BTEX \leq 50 mg/kg, TPH (418.1) \leq 100 mg/kg, CHLORIDES \leq 250 mg/kg

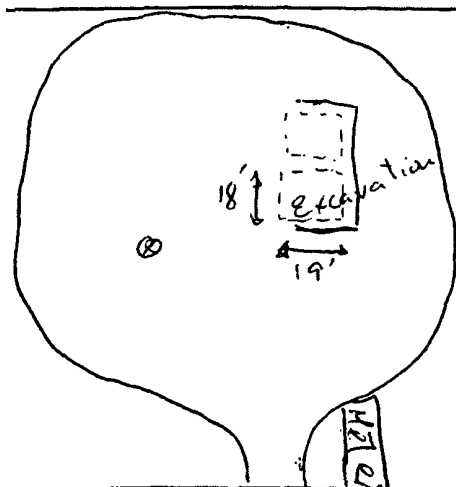
FIELD 418.1 ANALYSIS

TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (mg/kg)
<u>10:40</u>	<u>200 STD</u>					<u>177</u>	
<u>10:45</u>	<u>BGT</u>	<u>1</u>				<u>13</u>	<u>52</u>
		<u>2</u>					
		<u>3</u>					
		<u>4</u>					
		<u>5</u>					
		<u>6</u>					

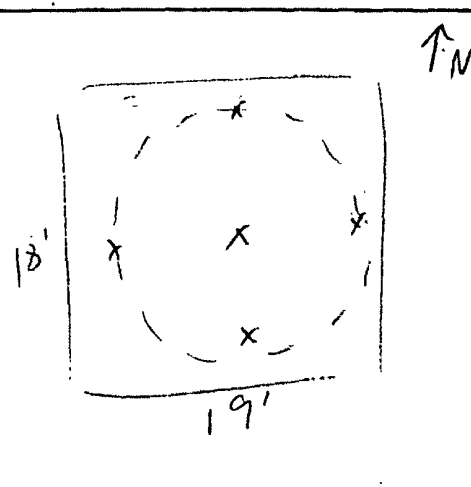
PERIMETER

FIELD CHLORIDES RESULTS

PROFILE



SAMPLE ID	READING	CALC. (mg/kg)
<u>1</u>	<u>6.0</u>	<u>2200</u>



PID RESULTS

SAMPLE ID	RESULTS (mg/kg)
<u>1</u>	<u>6.1</u>

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

NOTES: GAT on site @

WORKORDER # WHO ORDERED



Field Chloride

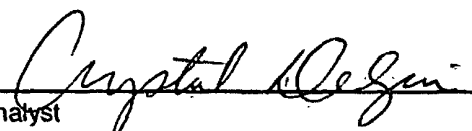
Client:	ConocoPhillips	Project #:	92115-1558
Sample No.:	1	Date Reported:	2/14/2011
Sample ID:	BGT Sample	Date Sampled:	1/13/2011
Sample Matrix:	Soil	Date Analyzed:	1/13/2011
Preservative:	Cool	Analysis Needed:	Chloride
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Field Chloride	2,200	33.0

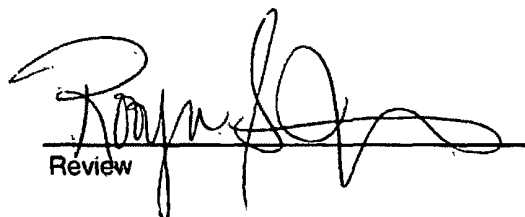
ND = Parameter not detected at the stated detection limit.

References: "Standard Methods for the Examination of Water and Wastewater", 18th ed., 1992
Hach Company Quantab Titrators for Chloride

Comments: **Kessler Com 3A (hBr)**


Analyst

Crystal Delgai
Printed


Review

Robyn Jones
Printed

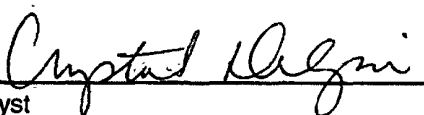


CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 13-Jan-11

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	177
	500	
	1000	

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


Analyst

2/21/2011
Date

Crystal Delgai
Print Name


Review

2/21/2011
Date

Robyn Jones
Print Name

Client:	ConocoPhillips	Project #:	92115-1558
Sample ID:	BGT	Date Reported:	01-14-11
Laboratory Number:	57005	Date Sampled:	01-13-11
Chain of Custody:	11015	Date Received:	01-13-11
Sample Matrix:	Soil	Date Analyzed:	01-13-11
Preservative:	Cool	Date Extracted:	01-13-11
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	

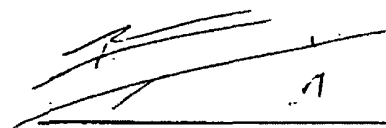
ND - Parameter not detected at the stated detection limit.

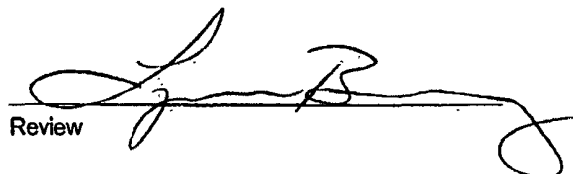
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	113 %
	1,4-difluorobenzene	115 %
	Bromochlorobenzene	98.4 %

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: Kessler Com 3A


 Analyst


 Review

Client:	N/A	Project #:	N/A
Sample ID:	0113BCA2 QA/QC	Date Reported:	01-14-11
Laboratory Number:	57003	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-13-11
Condition:	N/A	Analysis:	BTEX
		Dilution:	10

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect Limit
		Accept Range 0 - 15%			
Benzene	1.4261E+003	1.4290E+003	0.2%	ND	0.1
Toluene	1.0529E+003	1.0550E+003	0.2%	ND	0.1
Ethylbenzene	6.5070E+002	6.5200E+002	0.2%	ND	0.1
p,m-Xylene	1.6168E+003	1.6200E+003	0.2%	ND	0.1
o-Xylene	1.2136E+003	1.2160E+003	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	439	87.8%	39 - 150
Toluene	ND	500	440	88.0%	46 - 148
Ethylbenzene	ND	500	476	95.2%	32 - 160
p,m-Xylene	ND	1000	955	95.5%	46 - 148
o-Xylene	ND	500	485	97.0%	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 57003-57005

Analyst


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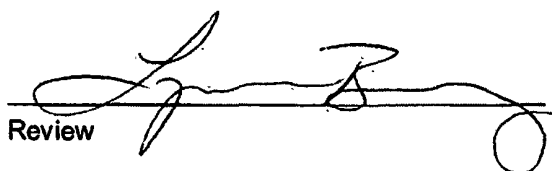
Client:	ConocoPhillips	Project #:	92115-1558
Sample ID:	BGT	Date Reported:	01/14/11
Lab ID#:	57005	Date Sampled:	01/13/11
Sample Matrix:	Soil	Date Received:	01/13/11
Preservative:	Cool	Date Analyzed:	01/14/11
Condition:	Intact	Chain of Custody:	11015

Parameter**Concentration (mg/Kg)****Total Chloride****650**

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., 1995

Comments: **Kessler Com 3A**



Analyst


Review

Client:	ConocoPhillips	Project #:	92115-1558
Sample ID:	Background	Date Reported:	01/14/11
Lab ID#:	57006	Date Sampled:	01/13/11
Sample Matrix:	Soil	Date Received:	01/13/11
Preservative:	Cool	Date Analyzed:	01/14/11
Condition:	Intact	Chain of Custody:	11015

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

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., 1995

Comments: **Kessler Com 3A**



Analyst

Review



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

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

Project #: 92115-1558
Date Reported: 2/14/2011
Date Sampled: 1/13/2011
Date Analyzed: 1/13/2011
Analysis Needed: TPH-418.1

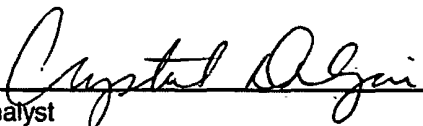
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	52	5.0

ND = Parameter not detected at the stated detection limit.

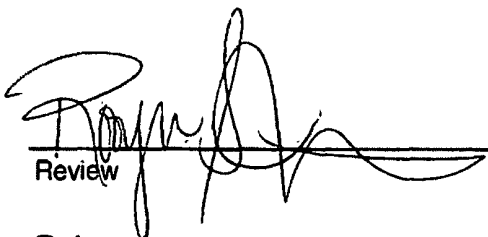
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Kessler Com 3A (hBr)**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

Crystal Delgai,
Printed


Review
Robyn Jones
Printed

11015



envirotech
Analytical Laboratory

RUST