

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

30-045-11613

OPERATOR

☐ Initial Report

☒ Final Report

Name of Company	ConocoPhillips Company	Contact	Kelsi Harrington
Address	3401 E. 30 th St., Farmington, NM 87402	Telephone No.	505-599-3403
Facility Name	Storey C 3	Facility Type	Gas Well API# 3004511613
Surface Owner	Federal	Mineral Owner	Federal
		Lease No.	SF-077111

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	27	28N	09W	1065'	North	1850'	East	San Juan

Latitude 36.637298° N Longitude -107.77278° 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 12/16/2010
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 (224 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: <i>Kelsi Harrington</i>	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Kelsi Harrington	Approved by District Supervisor: <i>B. B. Bell</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: 9/1/11 Phone: 505-599-3403		

* Attach Additional Sheets If Necessary

nJK1129253187





January 17, 2010

Project Number 96052-1842

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

Phone: (505) 599-3403

**RE: BELOW-GRADE TANK CLOSURE DOCUMENTATION FOR THE STOREY C #3 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 conducted at the Storey C #3 well site located in Section 27, Township 28 North, Range 9 West, San Juan County, New Mexico. Prior to Envirotech's arrival on December 16, 2010, the BGT had been removed. One (1) five (5)-point composite sample was collected from directly beneath the BGT; see attached ***Field Notes: BGT Closure Verification***. 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. The sample returned results above the required BGT Closure standards for TPH, therefore confirming a release did occur; see attached ***Field Notes: BGT Closure Verification***. 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, benzene and BTEX using USEPA Method 8021 and for total chlorides using USEPA Method 4500. A brief assessment was conducted and the cleanup standard for the site was determined to be 5,000 parts per million (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 returned results below the regulatory standard for TPH; see attached ***Analytical Results***. Therefore, 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.



Scott Gonzales

Senior Environmental Field Technician
sgonzales@envirotech-inc.com

Enclosures: Field Notes: BGT Closure Verification
Field Notes: Spill Closure Verification
Analytical Results

Cc: Client File 96052

PAGE NO: <u>1</u> OF <u>1</u> DATE STARTED: <u>12-16-12</u> DATE FINISHED: _____	ENVIROTECH INC ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615	ENVIRONMENTAL SPECIALIST: <u>SG</u> LAT: <u>N 36° 38' 14"</u> LONG: <u>W 107° 46' 23"</u>
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FIELD REPORT: BGT / PIT CLOSURE VERIFICATION

LOCATION: NAME: Storey C WELL #: 3 TEMP PIT: _____ PERMANENT PIT: _____ BGT: X
 LEGAL ADD: UNIT: B SEC: 27 TWP: 28N RNG: 9W PM: N.M.P.M.
 TR/FOOTAGE: 1065 FNL 1850 FEL CNTY: SAN JUAN ST: NM

EXCAVATION APPROX: 21 FT. X 19 FT. X 6 FT. DEEP CUBIC YARDAGE: _____
 DISPOSAL FACILITY: NA REMEDIATION METHOD: NA

AND OWNER: _____ API: 3004511613 BGT/PIT VOLUME: 95 bbl
 CONSTRUCTION MATERIAL: Steel DOUBLE-WALLED, WITH LEAK DETECTION: NO

LOCATION APPROXIMATELY: 150 FT. 240° FROM WELLHEAD

DEPTH TO GROUNDWATER: 7100'

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

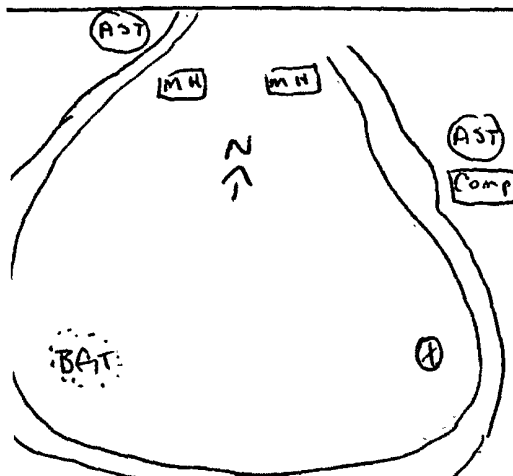
FIELD 418.1 ANALYSIS

TIME	SAMPLE ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (mg/kg)
10:30	200 STD					204	
11:00	Spl Comp	1	5	20	14	56	224
		2					
		3					
		4					
		5					
		6					

PERIMETER

FIELD CHLORIDES RESULTS

PROFILE



SAMPLE ID	READING	CALC. (mg/kg)
Spl Comp	ND	ND

PID RESULTS

SAMPLE ID	RESULTS (mg/kg)
Spl Comp	18.1



LAB SAMPLES

SAMPLE ID	ANALYSIS	RESULTS
	BENZENE	
	BTEX	
	GRO & DRO	
	CHLORIDES	

NOTES:

Sandstone encountered directly beneath BAT
 maximum extent reached
 Storey site w Storey C LS #7

WORKORDER #

WHO ORDERED

TRAVEL NOTES:	CALLED OUT:	ONSITE:
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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client: ConocoPhillips
Sample No.: 1
Sample ID: 5 Pt. Comp
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 96052-1842
Date Reported: 12/23/2010
Date Sampled: 12/16/2010
Date Analyzed: 12/16/2010
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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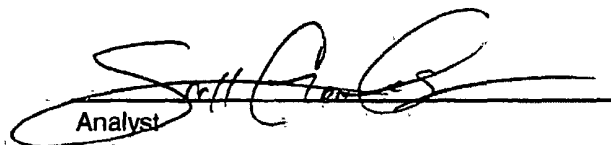
Total Petroleum Hydrocarbons	224	5.0
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ND = Parameter not detected at the stated detection limit.

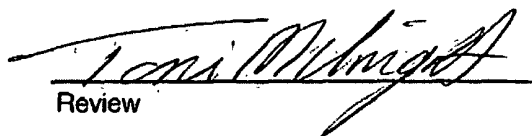
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Storey C LS #3**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

Scott Gonzales, FT
Printed


Review

Toni McKnight, EIT
Printed

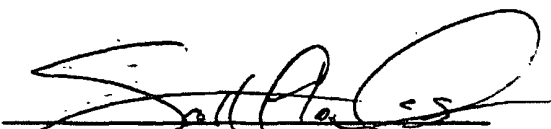


CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 16-Dec-10

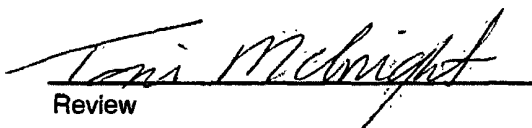
Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	204
	200	
	500	
	1000	

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


Analyst

Scott Gonzales, FT

Print Name


Review

Toni McKnight, EIT

Print Name

12/23/2010

Date

12/23/2010

Date



Field Chloride

Client:	ConocoPhillips	Project #:	96052-1842
Sample No.:	1	Date Reported:	12/23/2010
Sample ID:	BGT 5pt Composite	Date Sampled:	12/16/2010
Sample Matrix:	Soil	Date Analyzed:	12/16/2010
Preservative:	Cool	Analysis Needed:	Chloride
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Field Chloride	ND	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: Storey C LS #3

Analyst

Scott Gonzales, FT

Printed

Review

Toni McKnight, EIT

Printed

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**


Client:	ConocoPhillips	Project #:	96052-1842
Sample ID:	5 Pt Comp.	Date Reported:	12-17-10
Laboratory Number:	56799	Date Sampled:	12-16-10
Chain of Custody No:	10925	Date Received:	12-16-10
Sample Matrix:	Soil	Date Extracted:	12-16-10
Preservative:	Cool	Date Analyzed:	12-17-10
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: **Storey C #3**



Analyst

Review

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	12-17-10 QA/QC	Date Reported:	12-17-10
Laboratory Number:	56798	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-17-10
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	12-17-10	9.9960E+002	1.0000E+003	0.04%	0 - 15%
Diesel Range C10 - C28	12-17-10	1.0006E+003	1.0010E+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%

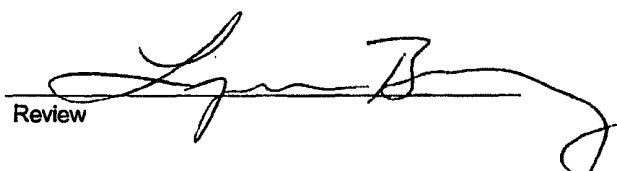
Spike Conc.: (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	253	101%	75 - 125%
Diesel Range C10 - C28	ND	250	258	103%	75 - 125%

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 56798-56799, 56803, 56805-56806, 56815


 Analyst


 Review

Client:	ConocoPhillips	Project #:	96052-1842
Sample ID:	5 Pt Comp.	Date Reported:	12-17-10
Laboratory Number:	56799	Date Sampled:	12-16-10
Chain of Custody:	10925	Date Received:	12-16-10
Sample Matrix:	Soil	Date Analyzed:	12-17-10
Preservative:	Cool	Date Extracted:	12-16-10
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	110 %
	1,4-difluorobenzene	109 %
	Bromochlorobenzene	99.1 %

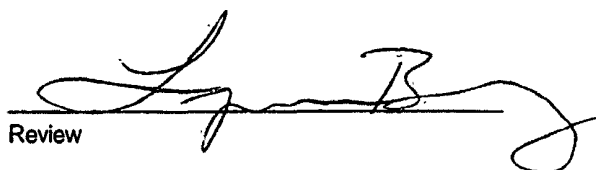
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

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

Comments: Storey C #3



Analyst



Review

Client:	N/A	Project #:	N/A
Sample ID:	1217BBLK QA/QC	Date Reported:	12-17-10
Laboratory Number:	56799	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-17-10
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	3.7796E+006	3.7871E+006	0.2%	ND	0.1
Toluene	1.1096E+006	1.1119E+006	0.2%	ND	0.1
Ethylbenzene	8.1544E+005	8.1708E+005	0.2%	ND	0.1
p,m-Xylene	1.7497E+006	1.7532E+006	0.2%	ND	0.1
o-Xylene	6.3272E+005	6.3399E+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	505	101%	39 - 150
Toluene	ND	500	536	107%	46 - 148
Ethylbenzene	ND	500	516	103%	32 - 160
p,m-Xylene	ND	1000	995	99.5%	46 - 148
o-Xylene	ND	500	492	98.3%	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 Photolionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 56798-56799, 56803, 56805-56806, 56798, 56815, 56778-56783

Analyst

Review


Client:	ConocoPhillips	Project #:	96052-1842
Sample ID:	5 Pt Comp	Date Reported:	12-17-10
Lab ID#:	56799	Date Sampled:	12-16-10
Sample Matrix:	Soil	Date Received:	12-16-10
Preservative:	Cool	Date Analyzed:	12-17-10
Condition:	Intact	Chain of Custody:	10925

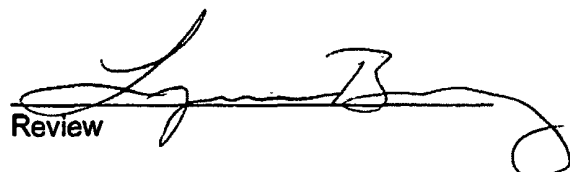
Parameter	Concentration (mg/Kg)
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Total Chloride**20**

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: **Storey C #3**



Analyst

Review

CHAIN OF CUSTODY RECORD

10925

Client: <u>ConocoPhillips</u>			Project Name / Location: <u>Storey C #3</u>			ANALYSIS / PARAMETERS														
Client Address:			Sampler Name: <u>Scott E.</u>			<div style="display: flex; justify-content: space-between;"> <div> 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 </div> </div>														
Client Phone No.:			Client No.: <u>96052-1842</u>																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative			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
<u>5pt. Comp</u>	<u>12-16-10</u>	<u>11:15</u>	<u>56799</u>	<u>Soil Solid</u>	<u>1-402</u>			✓	✓	✓								✓	Y	Y
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
				Soil Solid	Sludge Aqueous															
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Relinquished by: (Signature) <u>[Signature]</u>					Date	Time	Received by: (Signature) <u>TRENTON KAOL</u>					Date	Time							
Relinquished by: (Signature)							Received by: (Signature)													
Relinquished by: (Signature)							Received by: (Signature)													

RUSH



envirotech
Analytical Laboratory

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