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

30-039-26896

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company **ConocoPhillips Company**	Contact **Shelly Cook-Cowden**
Address **3401 E. 30th St., Farmington, NM 87402**	Telephone No **505-324-5140**
Facility Name **San Juan 28-7 Unit 101F**	Facility Type: **Gas Well API#3003926896**

Surface Owner. **Federal**	Mineral Owner: **Federal**	Lease No. NMSF - **03560**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	**30**	**027N**	**007W**	**1365'**	**South**	**2260'**	**West**	**Rio Arriba**

Latitude 36.54045 ° N Longitude -107.61751 ° 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 – **September 20, 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	

RECEIVED OCT 2011 OIL CONS. DIV. DIST. 3

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 below grade tank sample results were above regulatory standard by USEPA method 418.1 for TPH and Organic Vapors, confirming a release. The sample was then transported to the lab and analytical results were below the regulatory standards set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Release; 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: Shelly Cook-Cowden	OIL CONSERVATION DIVISION
Printed Name Shelly Cook-Cowden	Approved by District Supervisor.
Title. Field Environmental Specialist	Approval Date. 10/26/11 Expiration Date:
E-mail Address Shelly g Cook-Cowden@ConocoPhillips com	Conditions of Approval Attached ☐
Date October 21, 2011 Phone 505-324-5140	

* Attach Additional Sheets If Necessary

nJK1129555573

envirotech

October 17, 2011 Project Number 96052-2027

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

RE: BELOW-GRADE TANK CLOSURE DOCUMENTATION FOR THE SAN JUAN 28-7 #101F 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 San Juan 28-7 #101F well site located in Section 30, Township 27 North, Range 7 West, San Juan County, New Mexico. Prior to Envirotech's arrival on September 20, 2011, the BGT had been removed. 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 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 5,000 ppm TPH and 100 ppm organic vapors due to horizontal distance to surface water greater than 1,000 feet and depth to groundwater greater than 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 TPH using USEPA Method 418.1; see attached ***Field Notes***. 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.

Noel Burciaga
Environmental technician
nburciaga@envirotech-inc.com

Enclosures: Analytical Results
Field Notes
Cc: Client File 96052

PAGE NO: 1 OF 1

DATE STARTED: 09-20-2011

DATE FINISHED: 09-20-2011

envirotech

(505) 632-0615 (800) 362-1879

5796 U.S. Hwy 64, Farmington, NM 87401

ENVIRONMENTAL SPECIALIST: Noel Barraza

LAT: 36.5405405

LONG: -107.6178753

FIELD REPORT: BGT / PIT CLOSURE VERIFICATION

LOCATION: NAME: San Juan 27-7 WELL #: 101F TEMP PIT: PERMANENT PIT: BGT:

LEGAL ADD: UNIT: SEC: 30 TWP: 27N RNG: 7W PM:

QTR/FOOTAGE: CNTY: SJ ST: NM

EXCAVATION APPROX: — FT. X — FT. X — FT. DEEP CUBIC YARDAGE: —

DISPOSAL FACILITY: — REMEDIATION METHOD: —

LAND OWNER: BLM API: BGT / PIT VOLUME: 40 bbl

CONSTRUCTION MATERIAL: DOUBLE-WALLED, WITH LEAK DETECTION:

LOCATION APPROXIMATELY: FT. FROM WELLHEAD

DEPTH TO GROUNDWATER: >100 feet Surface water: >1000 feet horizontally

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

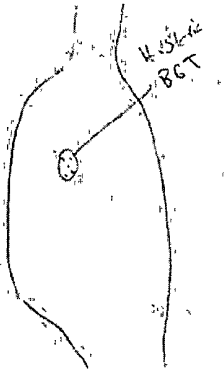
X PERMANENT PIT OR BGT

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)
3:50	200 STD		-	-	-	182	182
3:53	5 pt comp	1	5 g	20 mL	1:4	37	148
		2					
		3					
		4					
		5					
		6					

PERIMETER



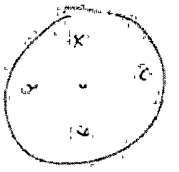
FIELD CHLORIDES RESULTS

SAMPLE ID	READING	CALC. (mg/kg)

PID RESULTS

SAMPLE ID	RESULTS (mg/kg)

PROFILE



LAB SAMPLES

SAMPLE ID	ANALYSIS	RESULTS
	BENZENE	
	BTEX	
	GRO & DRO	
	CHLORIDES	

NOTES:

Ranking:

WORKORDER # WHO ORDERED

BGT Closure

Client:	envirotech (505) 632-0615 (800) 362-1879 5796 U.S. Hwy 64, Farmington, NM 87401	Project No: 96057-2028 COC No:
Conoco		

FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: 1 OF 1

LOCATION: NAME: San Juan 28-7	WELL #: 101A	DATE STARTED: 09-20-2014	
QUAD/UNIT:	SEC: 30 TWP: 27N RNG: 7W PM:	CNTY: RI ST: NM	DATE FINISHED: 09-20-2014
QTR/FOOTAGE:	CONTRACTOR:		ENVIRONMENTAL SPECIALIST: Noel B.

EXCAVATION APPROX: — FT. X — FT. X — FT. DEEP CUBIC YARDAGE: —

DISPOSAL FACILITY: — REMEDIATION METHOD: —

LAND USE: BLM LEASE: LAND OWNER: BLM

CAUSE OF RELEASE: Water BGT removal MATERIAL RELEASED: Water

SPILL LOCATED APPROXIMATELY: FT. FROM

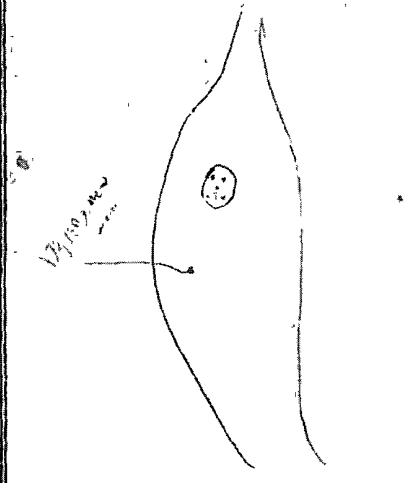
DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: NEAREST SURFACE WATER: >1000'

NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: PPM 5,000

SOIL AND EXCAVATION DESCRIPTION:

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
100 BBL	3:50	—	—	—	—	—	182	182
5 pt Comp	3:53	—	—	5g	7.5mL	1:4	37	148

SPILL PERIMETER



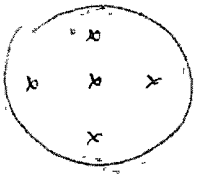
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
5 Pt Comp	ND

~~LAB SAMPLES~~ Closed

SAMPLE ID	ANALYSIS	TIME
5 Pt Comp	ND	3:52

SPILL PROFILE



TRAVEL NOTES: CALLED OUT: ONSITE:

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	ConocoPhillips	Project #:	96052-2027
Sample No.:	1	Date Reported:	9/22/2011
Sample ID:	5 Pt Comp	Date Sampled:	9/20/2011
Sample Matrix:	Soil	Date Analyzed:	9/20/2011
Preservative:	Cool	Analysis Needed.	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**148**	**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: **San Juan 28-7 #101F**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Noel Burciaga
Printed

Review

Barian Williamson
Printed

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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 20-Sep-11

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	182
	500	
	1000	

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

Analyst — Date: 9/22/2011

Noel Burciaga
Print Name

Review — Date: 9/22/2011

Barian Williamson
Print Name

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Field Chloride

Client:	ConocoPhillips	Project #:	96052-2027
Sample No.:	1	Date Reported:	9/22/2011
Sample ID:	BGT Composite	Date Sampled:	9/20/2011
Sample Matrix:	Soil	Date Analyzed:	9/20/2011
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: **San Juan 28-7 #101F**

Analyst

Noel Burciaga
Printed

Review

Barian Williamson
Printed

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-2027
Sample ID:	5pt Comp	Date Reported:	09-22-11
Laboratory Number:	59706	Date Sampled:	09-20-11
Chain of Custody:	12610	Date Received:	09-21-11
Sample Matrix:	Soil	Date Analyzed:	09-21-11
Preservative:	Cool	Date Extracted:	09-21-11
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	**84.8 %**
	1,4-difluorobenzene	**94.8 %**
	Bromochlorobenzene	**89.7 %**

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 / SJ 28-7 #101F**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	0921BBLK QA/QC	Date Reported:	09-22-11
Laboratory Number:	59706	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-21-11
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	2.9783E+006	2.9843E+006	0.2%	ND	0.1
Toluene	3.0468E+006	3.0529E+006	0.2%	ND	0.1
Ethylbenzene	2.6883E+006	2.6937E+006	0.2%	ND	0.1
p,m-Xylene	7.2376E+006	7.2521E+006	0.2%	ND	0.1
o-Xylene	2.5033E+006	2.5083E+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	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	504	101%	39 - 150
Toluene	ND	500	503	101%	46 - 148
Ethylbenzene	ND	500	500	100%	32 - 160
p,m-Xylene	ND	1000	1,000	100%	46 - 148
o-Xylene	ND	500	505	101%	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 59456-59459, 59693-59694, 59706.

Analyst

Review

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Chloride

Client:	ConocoPhillips	Project #:	96052-2027
Sample ID:	5pt Comp	Date Reported:	09/22/11
Lab ID#:	59706	Date Sampled:	09/20/11
Sample Matrix:	Soil	Date Received:	09/21/11
Preservative:	Cool	Date Analyzed:	09/22/11
Condition:	Intact	Chain of Custody:	12610

Parameter	Concentration (mg/Kg)
Total Chloride	**10**

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 / SJ 28-7 #101F**

Analyst

Review

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CHAIN OF CUSTODY RECORD (Rush) 2610

Client: Conoco Phillips	Project Name / Location: BGT Closure / SJ 28-7 # 101F
Client Address:	Sampler Name: Abel Burciaga
Client Phone No.:	Client No.: 96052-2027

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
SP+ Comp	09-20-11	3:53	59706	Soil (circled) Solid Sludge Aqueous	4oz			/		/								/				Y	Y
				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
[signature]	7:17	9-21-11	[signature]	09/21/11	7:17
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

Rush

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Analytical Laboratory

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