

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 August 8, 2011

Submit 1 Copy to appropriate District Office to
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company ConocoPhillips Company	Contact Crystal Tafoya
Address 3401 East 30th St, Farmington, NM	Telephone No. (505) 326-9837
Facility Name: San Juan 31-6 Unit 213	Facility Type: Gas Well

Surface Owner Federal	Mineral Owner Federal (NM-03404)	API No. 30-039-24531
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LOCATION OF RELEASE

Unit Letter K	Section 5	Township 30N	Range 6W	Feet from the 1865	North/South Line South	Feet from the 1595	East/West Line West	County Rio Arriba
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Latitude **36.83943** Longitude **107.48935**

NATURE OF RELEASE


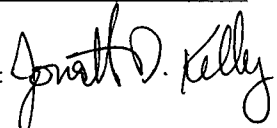
Type of Release Produced Water	Volume of Release 113 bbls	Volume Recovered 112 bbls
Source of Release PRV at transfer pump	Date and Hour of Occurrence Unknown	Date and Hour of Discovery March 4, 2013 at 1:22pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? BLM (Mark Kelly) and NMOCD (Brandon Powell)	
By Whom? Crystal Tafoya	Date and Hour 3/5/2013 at 3:27pm & 3:29pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. RCVD APR 18 '13	

If a Watercourse was Impacted, Describe Fully.* N/A	OIL CONS. DIV. DIST. 3
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Describe Cause of Problem and Remedial Action Taken.*
Pressure relief valve at the transfer pump froze and pulled out of the threaded connection causing 113 bbls of produced water to be released. The well was shut-in and water trucks called to location. 112bbls was recovered and contained within the berm.

Describe Area Affected and Cleanup Action Taken.*
NMOCD action levels for releases are specified in NMOCD's Guidelines for Leaks, Spills and Releases and the release was assigned a ranking score of 0. Samples were collected and analytical results are below applicable NMOCD action levels. No further work will be performed. The final report is attached for review.

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: 	OIL CONSERVATION DIVISION	
Printed Name: Crystal Tafoya	Approved by Environmental Specialist: 	
Title: Field Environmental Specialist	Approval Date: 5/21/2013	Expiration Date:
E-mail Address: crystal.tafoya@conocophillips.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 4/15/2013 Phone: (505) 326-9837		

* Attach Additional Sheets If Necessary

nJK1314141350

14



April 4, 2013

Project Number 96052-2303

Ms. Crystal Tafoya
ConocoPhillips
3401 East 30th Street
Farmington, New Mexico 87402

Phone: (505) 326-9837

RE: SPILL ASSESSMENT DOCUMENTATION FOR THE SAN JUAN 31-6 #213 WELL SITE, RIO ARriba COUNTY, NEW MEXICO

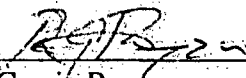
Dear Ms. Tafoya:

Enclosed please find the field notes and analytical results for spill assessment activities conducted at the San Juan 31-6 #213 well site located in Section 5, Township 30 North, Range 6 West, Rio Arriba County, New Mexico. Approximately 113 barrels (bbls) of produced water were released from an above-ground storage tank (AST) at the above referenced well site, of which 112 bbls were recovered. Upon Envirotech personnel's arrival on March 6, 2013, a brief site assessment was conducted. Because distance to surface water was greater than 1000 feet from the well site, depth to groundwater was greater than 100 feet, and the well site was not located within a well head protection area, the regulatory standards were determined to be 5000 parts per million (ppm) total petroleum hydrocarbons (TPH) and 100 ppm organic vapors, pursuant to New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases.

One (1) five (5)-point composite sample was collected from the area surrounding the two (2) ASTs at the above referenced well site; see enclosed *Field Notes* for sample location. The sample was analyzed in the field for total petroleum hydrocarbons (TPH) using USEPA Method 418.1 and for organic vapors using a photoionization detector (PID). The sample returned results below regulatory standards for all constituents analyzed. 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 and for benzene and total BTEX using USEPA Method 8021. The sample returned results of non-detect (ND) for all constituents analyzed; see enclosed *Analytical Results*. Therefore, no excavation is required and Envirotech, Inc. recommends no further action in regards to this incident.

We appreciate the opportunity to be of service. Should you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully Submitted,
ENVIROTECH, INC.


Rene Garcia-Reyes
Senior Environmental Field Technician
rgarcia@envirotech-inc.com

Enclosure: Field Notes
Analytical Results

Cc: Client File Number 96052

ONSITE: 11:30



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

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

Project #: 96052-2303
Date Reported: 3/22/2013
Date Sampled: 3/6/2013
Date Analyzed: 3/6/2013
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	344	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 31-6 Unit 213**

Instrument calibrated to 500 ppm standard. Zeroed before each sample

Analyst

Rene Garcia-Reyes

Printed

Review

Toni McKnight, EIT

Printed



CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 6-Mar-13

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	522
	500	
	500	
	1000	

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

Analyst

Rene Garcia-Reyes

Print Name

Review

Toni McKnight, EIT

Print Name

Date

Date



Analytical Report

Report Summary

Client: ConocoPhillips

Chain Of Custody Number: 15266

Samples Received: 3/6/2013 3:40:00PM

Job Number: 96052-2303

Work Order: P303014

Project Name/Location: San Juan 31-6 #213 Spill
Assessment

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read "Tim Cain", is written over a horizontal line.

Date: 3/13/13

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
#1	P303014-01A	Soil	03/06/13	03/06/13	Glass Jar, 4 oz.

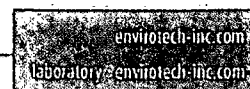
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#1

P303014-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	49.8	ug/L	1	1311005	08-Mar-13	12-Mar-13	EPA 8021B	
Toluene	ND	49.8	ug/L	1	1311005	08-Mar-13	12-Mar-13	EPA 8021B	
Ethylbenzene	ND	49.8	ug/L	1	1311005	08-Mar-13	12-Mar-13	EPA 8021B	
p,m-Xylene	ND	49.8	ug/L	1	1311005	08-Mar-13	12-Mar-13	EPA 8021B	
o-Xylene	ND	49.8	ug/L	1	1311005	08-Mar-13	12-Mar-13	EPA 8021B	
Total BTEX	ND	49.8	ug/L	1	1311005	08-Mar-13	12-Mar-13	EPA 8021B	
Surrogate: Bromochlorobenzene		95.5 %		80-120	1311005	08-Mar-13	12-Mar-13	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		93.4 %		80-120	1311005	08-Mar-13	12-Mar-13	EPA 8021B	
Surrogate: Fluorobenzene		92.0 %		80-120	1311005	08-Mar-13	12-Mar-13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.0	mg/kg	1	1310022	08-Mar-13	11-Mar-13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	5.0	mg/kg	1	1310022	08-Mar-13	11-Mar-13	EPA 8015D	
GRO and DRO Combined Fractions	ND	5.0	mg/kg	1	1310022	08-Mar-13	11-Mar-13	EPA 8015D	

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Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1311005 - Purge and Trap EPA 5030A

Blank (1311005-BLK1)

Prepared: 08-Mar-13 Analyzed: 12-Mar-13

Benzene	ND	49.6	ug/L							
Toluene	ND	49.6	"							
Ethylbenzene	ND	49.6	"							
p,m-Xylene	ND	49.6	"							
o-Xylene	ND	49.6	"							
Total BTEX	ND	49.6	"							
Surrogate: Bromochlorobenzene	46.1		"	50.0		92.3	80-120			
Surrogate: 1,4-Difluorobenzene	48.0		"	50.0		96.0	80-120			
Surrogate: Fluorobenzene	47.6		"	50.0		95.1	80-120			

Duplicate (1311005-DUP1)

Source: P303012-01

Prepared: 08-Mar-13 Analyzed: 12-Mar-13

Benzene	ND	50.0	ug/L		ND				30	
Toluene	ND	50.0	"		ND				30	
Ethylbenzene	ND	50.0	"		ND				30	
p,m-Xylene	ND	50.0	"		ND				30	
o-Xylene	ND	50.0	"		ND				30	
Surrogate: Bromochlorobenzene	47.1		"	50.0		94.2	80-120			
Surrogate: 1,4-Difluorobenzene	47.8		"	50.0		95.6	80-120			
Surrogate: Fluorobenzene	48.7		"	50.0		97.4	80-120			

Matrix Spike (1311005-MS1)

Source: P303012-01

Prepared: 08-Mar-13 Analyzed: 12-Mar-13

Benzene	49.9		ug/L	50.0	0.52	98.7	39-150			
Toluene	50.0		"	50.0	0.80	98.3	46-148			
Ethylbenzene	49.5		"	50.0	0.29	98.4	32-160			
p,m-Xylene	99.5		"	100	0.87	98.6	46-148			
o-Xylene	50.0		"	50.0	0.47	99.0	46-148			
Surrogate: Bromochlorobenzene	49.5		"	50.0		99.1	80-120			
Surrogate: 1,4-Difluorobenzene	47.7		"	50.0		95.3	80-120			
Surrogate: Fluorobenzene	47.7		"	50.0		95.3	80-120			

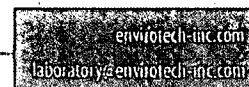
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Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1310022 - GRO/DRO Extraction EPA 3550C									
Blank (1310022-BLK1)					Prepared: 08-Mar-13 Analyzed: 11-Mar-13				
Gasoline Range Organics (C6-C10)	ND	5.0	mg/kg						
Diesel Range Organics (C10-C28)	ND	5.0	"						
GRO and DRO Combined Fractions	ND	5.0	"						
Duplicate (1310022-DUP1)					Source: P303012-01 Prepared: 08-Mar-13 Analyzed: 11-Mar-13				
Gasoline Range Organics (C6-C10)	ND	5.0	mg/kg		ND			30	
Diesel Range Organics (C10-C28)	9.1	5.0	"		8.1		12.1	30	
Matrix Spike (1310022-MS1)					Source: P303012-01 Prepared: 08-Mar-13 Analyzed: 11-Mar-13				
Gasoline Range Organics (C6-C10)	260		mg/L	250	0.1	104	75-125		
Diesel Range Organics (C10-C28)	257		"	250	8.1	99.5	75-125		

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Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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CHAIN OF CUSTODY RECORD

15266

Page 7 of 7

Client: COPC			Project Name / Location: San Juan 31-G #213 Spill Assessment			ANALYSIS / PARAMETERS																
Email results to:			Sampler Name: Rene Garcia Reyes			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE	Sample Cool	Sample Intact					
Client Phone No.:			Client No.: 96052-2303																			
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative			HgCl ₂	HCl	KOH	TPH	BTEX	VOC	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE	Sample Cool	Sample Intact
#1	3/6/13	13:15	9303014-01	402							X	X	X								X	X
Relinquished by: (Signature) [Signature]					Date	Time	Received by: (Signature) [Signature]					Date	Time									
					3/6/13	15:46						3/6/13	15:40									
Relinquished by: (Signature)					Received by: (Signature)																	
Sample Matrix																						
Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																						
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area.																						



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Table 1, Summary of Analytical Results

ConocoPhillips
Howell K #4C (hBr)
Confirmation Sampling
Project Number 92115-2406

Date	Sample Description	Sample Number	PID OV (ppm)	USEPA Method 418.1 TPH (ppm)	USEPA Method 8015 TPH (ppm)	Chlorides (ppm)	USEPA Method 8021	
							Benzene (ppm)	BTEX (ppm)
NA	New Mexico Oil Conservation Division Standards	NA	100	5000	5000	NA	10	50
3/6/2013	Area #1	1	1944	948	NS	NS	0.0762	25.1
3/6/2013	North & East Walls	2	1378	412	NS	NS	ND	6.1
3/6/2013	South & West Walls	3	2286	6520	1430	NS	1.05	215
3/6/2013	Bottom of Excavation	4	1289	1120	NS	NS	0.184	34.1
NA	New Mexico Oil Conservation Division Standards	NA	100	5000	5000	NA	10	50
3/28/2013	South & West Walls	1	NS	NS	NS	NS	ND	0.872

*Values in **BOLD** above regulatory limits

*NS - Parameter not sampled *ND - Parameter not detected