

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 230A	Facility Type: Gas Well	
Surface Owner NMGF	Mineral Owner BLM (SF-078999)	API No. 30-039-27401

LOCATION OF RELEASE

Unit Letter I	Section 27	Township 31N	Range 6W	Feet from the 1465	North/South Line South	Feet from the 935	East/West Line East	County Rio Arriba
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Latitude **36.86734** Longitude **107.44379**

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 40 BBLS	Volume Recovered 38 BBLS
Source of Release Produced Water Tank	Date and Hour of Occurrence 7/7/2013	Date and Hour of Discovery 7/8/2013 at 11:00 AM
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) & NMOCD (Jonathan Kelly)	
By Whom? Crystal Tafoya	Date and Hour 7/9/2013 at 8:00 AM	RCVD SEP 26 '13
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. OIL CONS. DIV. DIST. 3	

If a Watercourse was Impacted, Describe Fully.*
N/A

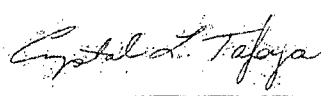
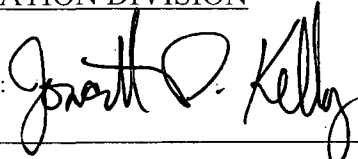
Describe Cause of Problem and Remedial Action Taken.*

Transfer pump failed allowing 40BBLS of produced water to be released from the production tank. The well was immediately shut-in and a water truck called to location. 38BBLS was recovered and the impacted area was contained to 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: 10/22/2013	Expiration Date:
E-mail Address: crystal.tafoya@conocophillips.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 9/25/2013	Phone: (505) 326-9837	

* Attach Additional Sheets If Necessary

NSK 1329540082



September 19, 2013

Project Number 96052-2370

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

Phone: (505) 215-4361
Fax: (505) 599-4005

RE: SPILL ASSESSMENT DOCUMENTATION FOR THE SAN JUAN 31-6 #230A WELL SITE, RIO ARriba COUNTY, NEW MEXICO

Dear Ms. Tafoya,

Attached please find the field notes and analytical results for spill assessment activities performed at the San Juan 31-6 #230A well site located in Section 27, Township 31 North, Range 6 West, Rio Arriba County, New Mexico. At the above referenced well site, a produced water tank overflowed, releasing approximately 40 barrels (bbls) of produced water into the surrounding area, within the berms. Approximately 38 bbls were recovered.

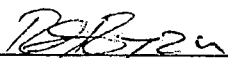
Upon Envirotech's arrival on July 12, 2013, a brief site assessment was conducted. Due to a horizontal distance to surface water greater than 1000 feet from the site, a depth to groundwater greater than 100 feet, and the well site not located within a well head protection area, the regulatory standards 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 two (2) inches below ground surface (BGS) from the area between the berms; see enclosed **Field Notes** for sample location. The sample was analyzed in the field for TPH using USEPA Method 418.1, for organic vapors using a photoionization detector (PID), and for chlorides. The sample returned results below the regulatory standards for TPH and organic vapors; see enclosed **Analytical Results** and **Field Notes**. The field chloride test returned a result of 965 ppm.

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 chlorides using USEPA Method 4500. The sample returned a result of 976 ppm for chlorides; see enclosed **Analytical Results**. The NMOCD requested analysis of chlorides for informational purposes only. Therefore, Envirotech, Inc. recommends no further action in regards to this incident.

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

Respectfully Submitted,
ENVIROTECH, INC.



Rene Garcia-Reyes
Staff Scientist
rgarcia@envirotech-inc.com

Enclosure(s): Field Notes
Analytical Results

Cc: Client File 96052

30-039 27401

Client: **COPC**Project No: **96057-2370**

COC No:

FIELD REPORT: SPILL CLOSURE VERIFICATIONPAGE NO: **1** OF **1**DATE STARTED: **7/12/13**DATE FINISHED: **7/12/13**LOCATION: NAME: **San Juan 31-6** WELL #: **230A**QUAD/UNIT: SEC: **27** TWP: **31N** RNG: **6W** PM: CNTY: **RA** ST: **NM**

ENVIRONMENTAL

QTR/FOOTAGE: **1468'S & 935'E** CONTRACTOR: **E-Tech**SPECIALIST: **Ron Garcia**

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

DISPOSAL FACILITY: REMEDIATION METHOD:

LAND USE: **Grazing** LEASE: **NMSF-07899** LAND OWNER:CAUSE OF RELEASE: **Production Tank overflow** MATERIAL RELEASED: **tobacco produce water**

SPILL LOCATED APPROXIMATELY: FT. FROM

DEPTH TO GROUNDWATER: **>100'** NEAREST WATER SOURCE: **>1000'** NEAREST SURFACE WATER: **N/1200'**NMOCD RANKING SCORE: **0** NMOCD TPH CLOSURE STD: **5000** PPM**SOIL AND EXCAVATION DESCRIPTION:**

~~36.86734°~~
36.86734°
-107.44379°

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
100, 200, 500, 1000, 5000	14:30	STD					100, 200	500, 1000, 5000
SPT camp 2' BGS	15:10	1		3	20	X4	23	92

SPILL PERIMETER**OMV RESULTS****SPILL PROFILE**

	SAMPLE ID	FIELD HEADSPACE PID (ppm)	
	1	ND	
	ID	Chlorides	
	1	Reading	Result
LAB SAMPLES			
SAMPLE ID	ANALYSIS	TIME	
1	Chlorides		

⊙ Sampled points

TRAVEL NOTES: _____ CALLED OUT: _____ ONSITE: _____



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	ConocoPhillips	Project #:	96052-2370
Sample No.:	1	Date Reported:	7/25/2013
Sample ID:	5-Point Composite 2" BGS	Date Sampled:	7/12/2013
Sample Matrix:	Soil	Date Analyzed:	7/12/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	92	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: **San Juan 31-6 #230A**

Instrument calibrated to 200 ppm standard and 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: 12-Jul-13

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	200
	200	
	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

Date

7/25/2013

Review

Toni McKnight, EIT

Print Name

Date

7/25/2013



Analytical Report

Report Summary

Client: ConocoPhillips

Chain Of Custody Number: 15856

Samples Received: 7/15/2013 7:05:00AM

Job Number: 96052-2370

Work Order: P307039

Project Name/Location: San Juan 31-6
#230A/Spill Assessment

Entire Report Reviewed By:

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

Date: 7/16/13

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.



ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: San Juan 31-6 #230A/Spill Assessment
Project Number: 96052-2370
Project Manager: Rene Garcia Reyes

Reported:
16-Jul-13 10:57

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
1	P307039-01A	Solid	07/12/13	07/15/13	Glass Jar, 4 oz.

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Ph (970) 259-0615 Fr (800) 362-1879





ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: San Juan 31-6 #230A/Spill Assessment
Project Number: 96052-2370
Project Manager: Rene Garcia Reyes

Reported:
16-Jul-13 10:57

1

P307039-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cation/Anion Analysis									
Chloride	976	10.0	mg/kg	1	1329002	15-Jul-13	15-Jul-13	EPA 300.0	

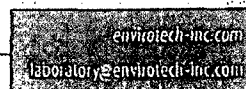
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ConocoPhillips
PO Box 2200
Barilesville OK, 74005

Project Name: San Juan 31-6 #230A/Spill Assessment
Project Number: 96052-2370
Project Manager: Rene Garcia Reyes

Reported:
16-Jul-13 10:57

Cation/Anion Analysis - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1329002 - Anion Extraction EPA 300.0										
Blank (1329002-BLK1)										
Chloride	ND	10.0	mg/kg							Prepared & Analyzed: 15-Jul-13
Duplicate (1329002-DUP1)										
Chloride	1220	10.0	mg/kg		976			21.8	30	Source: P307039-01 Prepared & Analyzed: 15-Jul-13

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envirotech-inc.com
laboratory.envirotech-inc.com



ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: San Juan 31-6 #230A/Spill Assessment
Project Number: 96052-2370
Project Manager: Rene Garcia Reyes

Reported:
16-Jul-13 10:57

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

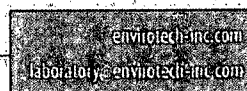
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CHAIN OF CUSTODY RECORD

15856

Page 6 of 6

Client: COPC		Project Name / Location: San Juan 31-6 #230A / Spill Assessment		ANALYSIS / PARAMETERS																
Email results to:		Sampler Name: Rene Garcia Reyes																		
Client Phone No.:		Client No.: 96052-2370																		
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	FCl	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE		Sample Cool	Sample Intact
					HNO ₃	HCl	(nd)													
1	7/12/13	15:10	P307039-01	402			X											X	X	
Relinquished by: (Signature)		RGR		Date:	Time	Received by: (Signature)		William J...										Date	Time	
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 checked="" type="checkbox"/> Sample(s) dropped off after hours to secure drop off area. RUSH																				



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san juan reproduction 578-129