

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: Shepherd & Kelsey 1E	Facility Type: Gas Well	
Surface Owner Fee	Mineral Owner Fee	API No. 30-045-24316

LOCATION OF RELEASE

Unit Letter D	Section 29	Township 29N	Range 11W	Feet from the 790	North/South Line North	Feet from the 1100	East/West Line West	County San Juan
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Latitude 36.701831 Longitude 108.01959

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 18 bbls	Volume Recovered 5 bbls
Source of Release Produced Water Tank	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 1/25/2013 at 11:00 am
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.*
N/A

**RCVD APR 2 '13
OIL CONS. DIV.
DIST. 3**


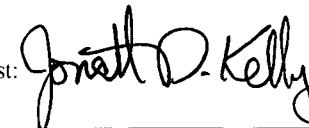
Describe Cause of Problem and Remedial Action Taken.*

Produced water tank on location developed a leak in the bottom of the tank allowing 18bbls of produced water to be released. The water dump valve was shut in and a water truck was able to recover 5bbls.

Describe Area Affected and Cleanup Action Taken.*

Samples were collected and analytical results for 418.1. The results are below NMOCD Guidelines for Remediation of Leaks, Spills and Releases. 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: 1/13/2014	Expiration Date:
E-mail Address: crystal.tafoya@conocophillips.com	Conditions of Approval: Rake Crusting as needed for chlorides, rake in gypsum if raking alone does not improve.	Attached <input type="checkbox"/>
Date: 4/1/2013	Phone: (505) 326-9837	nJK14013

* Attach Additional Sheets If Necessary



March 26, 2013

Project Number 96052-2288

Ms. Crystal Tafoya
ConocoPhillips
3401 East 30th Street
Farmington, New Mexico 87401

Phone: (505) 324-5140
Fax: (505) 215-4361

**RE: SPILL ASSESSMENT DOCUMENTATION FOR THE SHEPHERD & KELSEY #1E WELL SITE,
SAN JUAN COUNTY, NEW MEXICO**

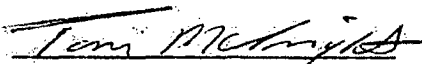
Dear Ms. Tafoya,

Enclosed please find the field notes and analytical results for spill assessment activities performed at the Shepherd & Kelsey #1E well site located in Section 29, Township 29 North, Range 11 West, San Juan County, New Mexico. Upon Envirotech personnel's arrival on January 31, 2013, a brief site assessment was conducted. Because the depth to groundwater is less than 50 feet, the nearest surface water is less than 200 feet, and the well site is located within a well head protection area, the regulatory standards for the site were determined to be 100 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.

At the above referenced well site, approximately 18 barrels (bbls) of produced water were released from a produced water above-ground storage tank (AST). One (1) composite sample was collected from the area within the berm surrounding the two (2) AST's, on location; see enclosed *Field Notes*. Upon Envirotech personnel's arrival on site on January, 31, 2013, there was approximately one (1) inch of standing water within the bermed area. A shovel was used to collect one (1) six (6)-point composite sample, beneath the standing water, from the area within the berm; see enclosed *Field Notes*, for sample location. The sample was analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a photoionization detector (PID); see enclosed *Analytical Results* and *Field Notes*. The composite sample returned results below the regulatory standards for TPH and for organic vapors.

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.



Toni McKnight, EIT
Environmental Project Manager
tmcknight@envirotech-inc.com

Enclosure(s): Analytical Results
Field Notes

Cc: Client File 96052



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	ConocoPhillips	Project #:	96052-2288
Sample No.:	1	Date Reported:	3/7/2013
Sample ID:	Surface Composite	Date Sampled:	1/31/2013
Sample Matrix:	Soil	Date Analyzed:	1/31/2013
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	20	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: **Shepherd and Kelsey #1E**

Instrument calibrated to 200 ppm standard and zeroed before each sample.


Analyst

Toni McKnight, EIT
Printed


Review

Felipe Aragon, CES
Printed




CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 31-Jan-13

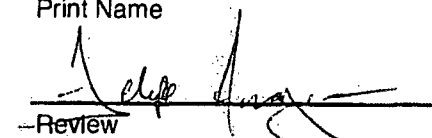
Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	195
	200	
	500	
	1000	

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


Analyst

3/7/2013
Date

Toni McKnight, EIT
Print Name


Review

3/7/2013
Date

Felipe Aragon, CES
Print Name



Analytical Report

Report Summary

Client: ConocoPhillips

Chain Of Custody Number: 15111

Samples Received: 2/1/2013 7:18:00AM

Job Number: 96052-2288

Work Order: P302004

Project Name/Location: Shepherd & Kelsey #1E

Entire Report Reviewed By:

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

Date: 2/11/13

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: Shepherd & Kelsey #1E
Project Number: 96052-2288
Project Manager: Toni McKnight

Reported:
11-Feb-13 13:10

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Background	P302004-01A	Soil	01/31/13	02/01/13	Plastic Baggie
Surface Composite	P302004-02A	Soil	01/31/13	02/01/13	Plastic Baggie

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





ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Shepherd & Kelsey #1E
Project Number: 96052-2288
Project Manager: Toni McKnight

Reported:
11-Feb-13 13:10

Background
P302004-01 (Solid)

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Cation/Anion Analysis									
Chloride	141	0.999	mg/kg	9.99	1306040	05-Feb-13	08-Feb-13	EPA 300.0	

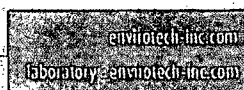
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ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Shepherd & Kelsey #1E
Project Number: 96052-2288
Project Manager: Toni McKnight

Reported:
11-Feb-13 13:10

Surface Composite
P302004-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Cation/Anion Analysis

Chloride	1900	1.00	mg/kg	10.00	1306040	05-Feb-13	08-Feb-13	EPA 300.0	
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ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: Shepherd & Kelsey #1E
Project Number: 96052-2288
Project Manager: Toni McKnight

Reported:
11-Feb-13 13:10

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


15111

Page 6 of 6

Client: ConocoPhillips			Project Name / Location: Shepherd & Kelsey #1E			ANALYSIS / PARAMETERS													
Email results to:			Sampler Name: T. McKnight			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.: 96052-2288																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative														
					HgCl ₂	HCl	CW												
Background	1/31/13	14:30	64201 P302004-01	1-bag															
Surface Composite	1/31/13	14:00	64202 P302004-02	1-bag															
Relinquished by: (Signature) <i>Tom McKnight</i>					Date 2/1/13	Time 7:19	Received by: (Signature) <i>[Signature]</i>					Date 2/1/13	Time 7:18						
Relinquished by: (Signature)							Received by: (Signature) <i>[Signature]</i>												
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.																			



5795 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 • laboratory@envirotech-inc.com

Client: Conoco	 envirotech (505) 632-0815 (800) 362-1676 5755 U.S. Hwy 64, Farmington, NM 87401	Project No: 96052-2288 COC No:
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FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: 1 OF 1
DATE STARTED: 1/31/03
DATE FINISHED:
ENVIRONMENTAL: McIntosh
SPECIALIST: T. McKnight

LOCATION: NAME: **Shepherd + Kelsch** WELL #: **1E**
 QUAD/UNIT: **NW/NW** SEC: **29** TWP: **26N** RNG: **11W** PM: **N/M** CNTY: **ST** ST: **N/M**
 QTR/FOOTAGE: **790' FNL + 1100' FWL** CONTRACTOR: **None**

EXCAVATION APPROX: _____ FT. X _____ FT. X _____ FT. DEEP CUBIC YARDAGE:
 DISPOSAL FACILITY: _____ REMEDIATION METHOD:
 LAND USE: _____ LEASE: _____ LAND OWNER:
 CAUSE OF RELEASE: _____ MATERIAL RELEASED:

SPILL LOCATED APPROXIMATELY: **< 50' (TM)** FT. FROM _____
 DEPTH TO GROUNDWATER: **< 100'** NEAREST WATER SOURCE: **< 1000'** NEAREST SURFACE WATER: **~ 85'**
 NMOCD RANKING SCORE: **20** NMOCD TPH CLOSURE STD: **100** PPM

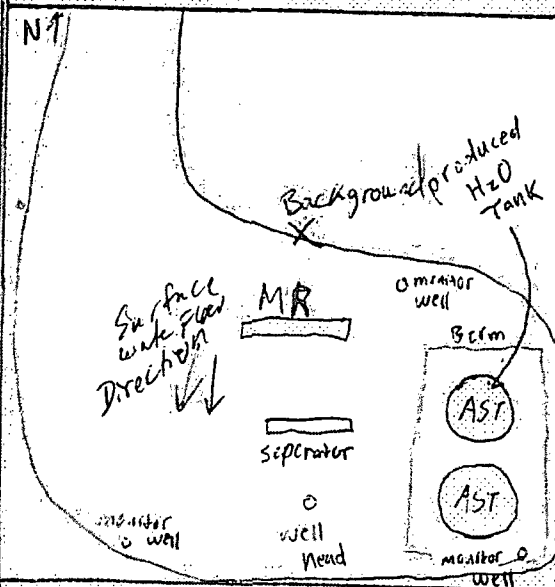
SOIL AND EXCAVATION DESCRIPTION:
 • no visual staining / hydrocarbons on water surface, no odor
 • ~ 1 in. of standing water in berm
 • talked to Chris, he said it was OK to leave gate open, as we found it.
 • usually high ~~chlorides~~ ^{white precipitates} found in background
 chlorides added per Crystal ^{white precipitates} ~~tafya~~ via email correspond.

SAMPLE DESCRIPTION	TIME	SAMPLE ID	LAB NO.	WEIGHT (g)	ML FREON	DILUTION	READING	CALC. ppm
300 STD	14:55						195	
surface composite	15:00	1		5	20	4	5	20

SPILL PERIMETER

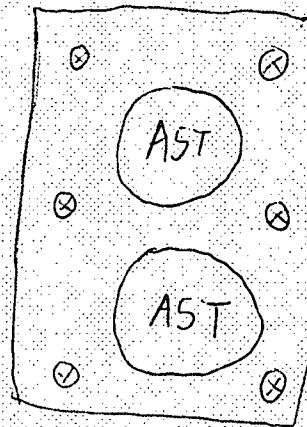
OVM RESULTS

SPILL PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	5.1

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
Surface comp	Cl ⁻	
Background	Cl ⁻	



TRAVEL NOTES: _____ CALLED OUT: _____ ONSITE: _____