

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 Burlington Resources Oil & Gas Company	Contact Crystal Tafoya
Address 3401 East 30th St, Farmington, NM	Telephone No. (505) 326-9837
Facility Name: McCord 12E	Facility Type: Gas Well

Surface Owner Fee	Mineral Owner BLM (SF-078214)	API No. 30-045-26301
--------------------------	--------------------------------------	-----------------------------

LOCATION OF RELEASE

Unit Letter O	Section 33	Township 30N	Range 13W	Feet from the 1093	North/South Line South	Feet from the 1748	East/West Line East	County San Juan
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Latitude **36.76574** Longitude **108.20739**

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 6 bbls	Volume Recovered 1 bbl
Source of Release Produced Water Tank	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 5/23/13 at 7:00 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 RCVD AUG 8 '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


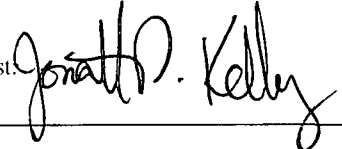
Describe Cause of Problem and Remedial Action Taken.*

Produced water tank vessel seam discovered to be leaking. Approximately 6bbls of produced water was released and 1bbl recovered.

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: 8/19/2013	Expiration Date:
E-mail Address: crystal.tafoya@conocophillips.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 8/5/2013 Phone: (505) 326-9837		

* Attach Additional Sheets If Necessary

nJK 1323127523



July 30, 2013

Project Number 92115-2446

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

Phone: (505) 215-4361

RE: SPILL ASSESSMENT DOCUMENTATION FOR THE McCORD #12E (HBR) WELL SITE, SAN JUAN COUNTY, NEW MEXICO

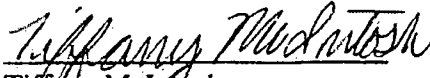
Dear Ms. Tafoya,

Enclosed please find the field notes and analytical results for spill assessment activities performed at the McCord #12E well site located in Section 33, Township 30 North, Range 13 West, San Juan County, New Mexico. Upon Envirotech personnel's arrival on May 30, 2013, a brief site assessment was conducted. Because depth to groundwater was greater than 100 feet, distance to nearest surface water was greater than 1000 feet, and the well site not located within a well head protection area, the regulatory standards for the site 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.

At the above referenced location, an above ground storage tank (AST) leaked, resulting in approximately six (6) barrels (bbls) of produced water being released into the area between the berms. The area between the berms was divided into two (2) sections: the north section and the south section. Visual contamination was observed in the north section. One (1) five (5)-point composite sample was collected from the north section and one (1) five (5)-point composite sample was collected from the south section; see enclosed *Field Notes* for sample locations. The samples were analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a photoionization detector (PID). Both samples returned results below the regulatory standards for TPH and organic vapor; see enclosed *Field Notes*, *Analytical Results*, and *Summary of Analytical Results*. The two (2) samples were placed into four (4)-ounce glass jars, capped head space free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for chlorides using USEPA Method 300. The sample from the north section returned a result of 1110 ppm and the sample from the south section returned a result of non-detect; see enclosed *Analytical Results* and *Summary of Analytical Results*. Due to the high chlorides, Envirotech, Inc. recommends consulting the New Mexico Oil Conservation Division (NMOCD) for closure of the visually impacted soil in the north section.

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.


Tiffany McIntosh
Staff Scientist
tmcintosh@envirotech-inc.com

Enclosure(s): Summary of Analytical Results
Analytical Results
Field Notes

Cc: Client File 92115

Table 1, Summary of Analytical Results
 ConocoPhillips
 McCord #12E (hBr)
 Spill Assessment Report
 San Juan County, New Mexico
 Project Number 92115-2446

Sample Description	Sample Number	Date	TPH 418.1 (ppm)	OVM (ppm)	Chlorides USEPA Method 300 (ppm)
NMOCD/RCRA Standards	NA	NA	5000	100	NA
North Composite	1	5/30/2013	344	1.4	1110
South Composite	2	5/30/2013	172	1.1	ND

NS = Not Sampled

ND = Non-Detect at Stated Method's Detection Limit

* Values in **BOLD** above regulatory standards



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-2446
Sample No.:	1	Date Reported:	6/17/2013
Sample ID:	North Composite	Date Sampled:	5/30/2013
Sample Matrix:	Soil	Date Analyzed:	5/30/2013
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	344	5.0
------------------------------	-----	-----

ND = Parameter not detected at the stated detection limit.

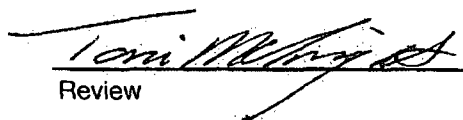
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **McCord #12E (hBr)**

Instrument calibrated to 500 ppm standard and zeroed before each sample.


Analyst

Tiffany McIntosh
Printed


Review

Toni McKnight, EIT
Printed



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client: ConocoPhillips
Sample No.: 2
Sample ID: South Composite
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92115-2446
Date Reported: 6/17/2013
Date Sampled: 5/30/2013
Date Analyzed: 5/30/2013
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	172	5.0
------------------------------	-----	-----

ND = Parameter not detected at the stated detection limit.

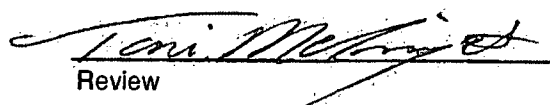
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **McCord #12E (hBr)**

Instrument calibrated to 500 ppm standard and zeroed before each sample.


Analyst

Tiffany McIntosh
Printed


Review

Toni McKnight, EIT
Printed



CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 30-May-13

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	549
	200	
	500	
	1000	

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

Tiffany McIntosh
Analyst

6/17/2013
Date

Tiffany McIntosh
Print Name

Toni McKnight
Review

6/17/2013
Date

Toni McKnight, EIT
Print Name



Analytical Report

Report Summary

Client: ConocoPhillips
Chain Of Custody Number: 15521
Samples Received: 5/31/2013 7:20:00AM
Job Number: 92115-2446
Work Order: P305100
Project Name/Location: McCord #12E Spill
Assessment

Entire Report Reviewed By:

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

Tim Cain, Laboratory Manager

Date: 6/10/13

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: McCord #12E Spill Assessment
Project Number: 92115-2446
Project Manager: Tiffany McIntosh

Reported:
10-Jun-13 16:35

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
North Composite	P305100-01A	Soil	05/30/13	05/31/13	Glass Jar, 4 oz.
South Composite	P305100-02A	Soil	05/30/13	05/31/13	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: McCord #12E Spill Assessment
Project Number: 92115-2446
Project Manager: Tiffany McIntosh

Reported:
10-Jun-13 16:35

North Composite
P305100-01 (Solid)

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Cation/Anion Analysis									
Chloride	1110	9.99	mg/kg	1	1324001	09-Jun-13	09-Jun-13	EPA 300.0	

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ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: McCord #12E Spill Assessment
Project Number: 92115-2446
Project Manager: Tiffany McIntosh

Reported:
10-Jun-13 16:35

South Composite
P305100-02 (Solid)

Analytic	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Cation/Anion Analysis										
Chloride	ND	9.99		mg/kg	1	1324001	09-Jun-13	09-Jun-13	EPA 300.0	

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ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: McCord #12E Spill Assessment
Project Number: 92115-2446
Project Manager: Tiffany McIntosh

Reported:
10-Jun-13 16:35

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 1324001 - Anion Extraction EPA 300.0										
Blank (1324001-BLK1)										
Chloride	ND	10.0	mg/kg							Prepared & Analyzed: 09-Jun-13
Duplicate (1324001-DUP1)										
Chloride	1080	10.0	mg/kg		1110			2.99	30	Source: P305100-01 Prepared & Analyzed: 09-Jun-13

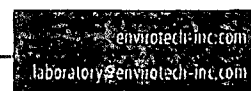
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ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: McCord #12E Spill Assessment
Project Number: 92115-2446
Project Manager: Tiffany McIntosh

Reported:
10-Jun-13 16:35

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

15521


Page 7 of 7

Client: COPC (hBr)			Project Name / Location: McCord #12E spill assessment			ANALYSIS / PARAMETERS													
Email results to: T. McIntosh			Sampler Name: T. McIntosh			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.: 505-215-4361			Client No.: 92115-2446																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative														
					HNO ₃	HCl	CO ₂												
North Composite	5/30/13	1305	P305100-01	1-4oz jar			X									X			✓
South Composite	5/30/13	1310	P305100-02	1-4oz jar			X									X			✓
Relinquished by: (Signature) <i>Tiffany McIntosh</i>					Date	Time	Received by: (Signature) <i>[Signature]</i>					Date	Time						
Relinquished by: (Signature)					5/31/13	7:20	Received by: (Signature)					5/31/13	720						
Sample Matrix																			
Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <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: COPC (hBr)	 envirotech <small>(505) 832-0815 (602) 382-1878 5786 U.S. Hwy 80, Farmington, NE 67401</small>	Project No: 92115-2446 COC No: 15521
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FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: 1 OF 1
DATE STARTED: 5/30/13
DATE FINISHED: 5/30/13
ENVIRONMENTAL SPECIALIST: T. McIntosh

LOCATION: NAME: McCord WELL #: 12E
QUAD/UNIT: 0 SEC: 33 TWP: 30N RNG: 13W PM: CNTY: SJ ST: NM
QTR/FOOTAGE: N/A CONTRACTOR: N/A

EXCAVATION APPROX: N/A FT. X N/A FT. X N/A FT. DEEP CUBIC YARDAGE: N/A
DISPOSAL FACILITY: N/A REMEDIATION METHOD: N/A
LAND USE: N/A LEASE: N/A LAND OWNER: N/A
CAUSE OF RELEASE: tank leak MATERIAL RELEASED: produced water

SPILL LOCATED APPROXIMATELY: 112 FT. 2850 FROM well head
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5,000 PPM

SOIL AND EXCAVATION DESCRIPTION:

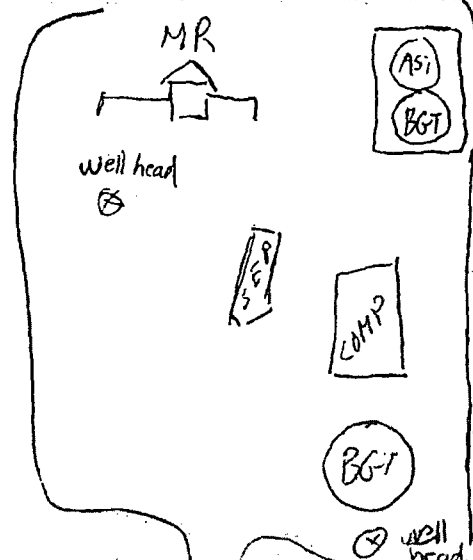
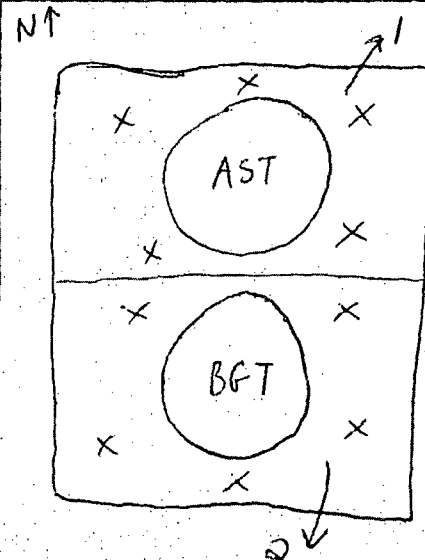
13:45 left voice mail for Crystal, relayed results. Awaiting a response from her as to whether or not to submit samples for chlorides.

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	ml FREON	DILUTION	READING	CALC. ppm
500 std	1315			5			549	
North composite	1330	1		5	20	4	86	344
South composite	1325	2		5	20	4	43	172

SPILL PERIMETER

OVM RESULTS

SPILL PROFILE

	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th><th>FIELD HEADSPACE PID (ppm)</th></tr> </thead> <tbody> <tr><td>1</td><td>104</td></tr> <tr><td>2</td><td>101</td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">LAB SAMPLES</th></tr> <tr> <th>SAMPLE ID</th><th>ANALYSIS</th><th>TIME</th></tr> </thead> <tbody> <tr><td>1</td><td>chlorides</td><td></td></tr> <tr><td>2</td><td>chlorides</td><td></td></tr> <tr><td> </td><td> </td><td></td></tr> <tr><td> </td><td> </td><td></td></tr> <tr><td> </td><td> </td><td></td></tr> <tr><td> </td><td> </td><td></td></tr> <tr><td> </td><td> </td><td></td></tr> </tbody> </table>	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1	104	2	101											LAB SAMPLES			SAMPLE ID	ANALYSIS	TIME	1	chlorides		2	chlorides																	
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SAMPLE ID	ANALYSIS	TIME																																											
1	chlorides																																												
2	chlorides																																												

RAVEL NOTES: 	CALLED OUT: 	ONSITE:
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