

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

Surface Owner <b>Fee</b>	Mineral Owner <b>BLM (SF-078214)</b>	API No. <b>30-045-26301</b>
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**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
<b>O</b>	<b>33</b>	<b>30N</b>	<b>13W</b>	<b>1093</b>	<b>South</b>	<b>1748</b>	<b>East</b>	<b>San Juan</b>

Latitude **36.76574** Longitude **108.20739**

**NATURE OF RELEASE**

Type of Release <b>Produced Water</b>	Volume of Release <b>6 bbls</b>	Volume Recovered <b>1 bbl</b>
Source of Release <b>Produced Water Tank</b>	Date and Hour of Occurrence <b>Unknown</b>	Date and Hour of Discovery <b>5/23/13 at 7:00 am</b>
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	<b>RCVD AUG 8 '13</b>
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. <b>OIL CONS. DIV. DIST. 3</b>	

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: 	<b>OIL CONSERVATION DIVISION</b>	
	Approved by Environmental Specialist: 	
Printed Name: <b>Crystal Tafoya</b>	Approval Date: <b>8/19/2013</b>	Expiration Date:
Title: <b>Field Environmental Specialist</b>	Conditions of Approval:	
E-mail Address: <b>crystal.tafoya@conocophillips.com</b>	Attached <input type="checkbox"/>	
Date: <b>8/5/2013</b> Phone: <b>(505) 326-9837</b>		

\* Attach Additional Sheets If Necessary

*nJK 13231 27523*



July 30, 2013

Project Number 92115-2446

Ms. Crystal Tafoya  
ConocoPhillips  
3401 East 30<sup>th</sup> 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](mailto: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
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ND = Parameter not detected at the stated detection limit.

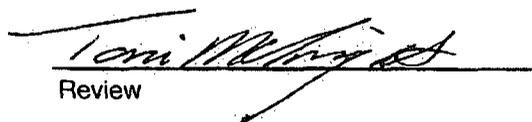
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **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 Project #: 92115-2446  
Sample No.: 2 Date Reported: 6/17/2013  
Sample ID: South 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	172	5.0
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ND = Parameter not detected at the stated detection limit.

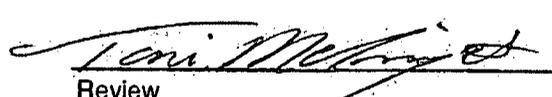
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **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.

Date: 6/10/13

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: McCord #12E Spill Assessment Project Number: 92115-2446 Project Manager: Tiffany McIntosh	Reported: 10-Jun-13 16:35
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### 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.

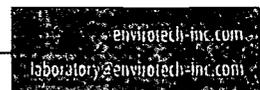
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Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

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
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**North Composite  
P305100-01 (Solid)**

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

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**South Composite  
P305100-02 (Solid)**

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

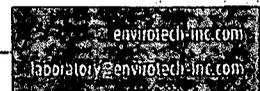
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ConocoPhillips PO Box 2200 Bartlesville OK, 74005	Project Name: McCord #12E Spill Assessment Project Number: 92115-2446 Project Manager: Tiffany McIntosh	Reported: 10-Jun-13 16:35
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**Cation/Anion Analysis - Quality Control**  
**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1324001 - Anion Extraction EPA 300.0</b>										
<b>Blank (1324001-BLK1)</b>										
Chloride	ND	10.0	mg/kg							Prepared & Analyzed: 09-Jun-13
<b>Duplicate (1324001-DUP1)</b>										
Chloride	1080	10.0	mg/kg		1110			2.99	30	Source: P305100-01 Prepared & Analyzed: 09-Jun-13

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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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