

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., 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 in  
accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

30-045-06132

**OPERATOR**

☐ Initial Report ☒ Final Report

Name of Company <b>Burlington Resources, a Wholly Owned Subsidiary of ConocoPhillips Company</b>	Contact <b>Ashley Maxwell</b>	
Address <b>3401 E. 30<sup>th</sup> St., Farmington, NM 87402</b>	Telephone No. <b>505-324-5169</b>	
Facility Name <b>Huerfanito Unit #31</b>	Facility Type <b>Gas Well</b>	
Surface Owner <b>Tribal—Navajo</b>	Mineral Owner <b>Federal</b>	API No. <b>3004506132</b>

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
L	33	27N	09W	1700'	SOUTH	990'	WEST	San Juan

Latitude 36.52905 Longitude -107.79874

**NATURE OF RELEASE**

Type of Release—Unknown	Volume of Release—Unknown	Volume Recovered
Source of Release—Below Grade Tank	Date and Hour of Occurrence – Unknown	Date and Hour of Discovery
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 type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	


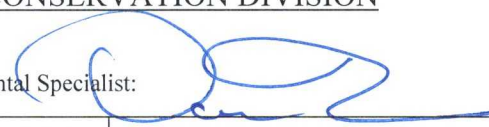
If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\* **Below Grade Tank Closure Activities**

Describe Area Affected and Cleanup Action Taken.\*

The below grade tank sample results were above regulatory standard by USEPA method 418.1 for TPH @ 576 ppm, confirming a release; however, the regulatory standard for closure at this site was determined to be 1,000 ppm. Additionally, the sample was then transported to the lab and analytical results for BTEX and Chlorides were below the regulatory standards set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Release; therefore no further action is required.

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>	
Printed Name: <b>Ashley Maxwell</b>	Approved by Environmental Specialist: 	
Title: <b>Field Environmental Specialist</b>	Approval Date: <b>8/6/15</b>	Expiration Date:
E-mail Address: <b>ashley.p.wethington@conocophillips.com</b>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <b>April 24, 2012</b>	Phone: <b>505-324-5169</b>	

\* Attach Additional Sheets If Necessary

NRF 1821837250

12

Client:	ConocoPhillips	Project #:	92115-2072
Sample ID:	5pt Composite	Date Reported:	01-30-12
Laboratory Number:	60959	Date Sampled:	01-26-12
Chain of Custody:	13302	Date Received:	01-26-12
Sample Matrix:	Soil	Date Analyzed:	01-30-12
Preservative:	Cool	Date Extracted:	01-27-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	19.3	10.0
Toluene	ND	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	ND	10.0
o-Xylene	ND	10.0
<b>Total BTEX</b>	<b>19.3</b>	


ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	88.8 %
	1,4-difluorobenzene	87.3 %
	Bromochlorobenzene	92.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: BGT/ Line drip closures/ Huerfanito #31

  
 Analyst

  
 Review



Client:	N/A	Project #:	N/A
Sample ID:	0130BBLK QA/QC	Date Reported:	01-30-12
Laboratory Number:	60959	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-30-12
Condition:	N/A	Analysis:	BTEX
		Dilution:	10

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF: Accept. Range 0 - 15%	%Diff.	Blank Conc	Detect. Limit
Benzene	1.7750E+007	1.7786E+007	0.2%	ND	1.0
Toluene	1.8069E+007	1.8105E+007	0.2%	ND	1.0
Ethylbenzene	1.5772E+007	1.5804E+007	0.2%	ND	1.0
p,m-Xylene	4.0805E+007	4.0886E+007	0.2%	ND	1.0
o-Xylene	1.4660E+007	1.4689E+007	0.2%	ND	1.0

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	19.3	19.4	0.5%	0 - 30%	10.0
Toluene	ND	ND	0.0%	0 - 30%	10.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	10.0
p,m-Xylene	ND	ND	0.0%	0 - 30%	10.0
o-Xylene	ND	ND	0.0%	0 - 30%	10.0

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	19.3	500	503	96.8%	39 - 150
Toluene	ND	500	524	105%	46 - 148
Ethylbenzene	ND	500	509	102%	32 - 160
p,m-Xylene	ND	1000	1,040	104%	46 - 148
o-Xylene	ND	500	523	105%	46 - 148

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.  
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photolonization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 60959

Analyst

Review

Client:	ConocoPhillips	Project #:	92115-2072
Sample ID:	5 pt composite	Date Reported:	01-30-12
Lab ID#:	60959	Date Sampled:	01-26-12
Sample Matrix:	Soil	Date Received:	01-26-12
Preservative:	Cool	Date Analyzed:	01-27-12
Condition:	Intact	Chain of Custody:	13302

Parameter	Concentration (mg/Kg)
-----------	-----------------------

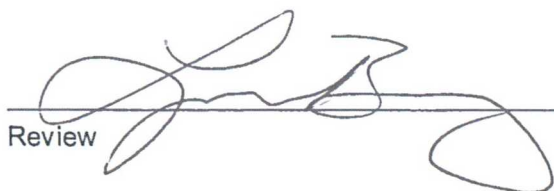
**Total Chloride****40**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.  
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **BGT /line drip closures/ Huerfanito #31**



Analyst



Review

Client:	ConocoPhillips	Project #:	92115-2072
Sample ID:	Underneath Linedrip 5 pt Composite	Date Reported:	01/30/12
Laboratory Number:	60960	Date Sampled:	01/26/12
Chain of Custody:	13302	Date Received:	01/26/12
Sample Matrix:	Soil	Date Analyzed:	01/27/12
Preservative:	Cool	Date Digested:	01/27/12
Condition:	Intact	Analysis Needed:	Total RCRA Metals
		Dilution	10

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

Mercury	ND	0.01
---------	----	------

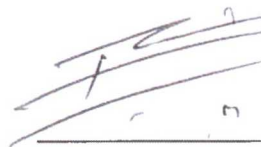
ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.  
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission Spectroscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C  
section 261.24, August 24, 1998.

Comments: **BGT / Lindrip Closures / Huerfanito #31**

  
\_\_\_\_\_  
Analyst  
\_\_\_\_\_  
Review

Client:	QA/QC	Project #:	QA/QC
Sample ID:	01-27 TM QA/AC	Date Reported:	01/30/12
Laboratory Number:	60960	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	01/27/12
Condition:	N/A	Date Digested:	01/27/12
		Dilution	10

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/Kg)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Mercury	ND	ND	0.01	ND	ND	0.00%	0% - 30%


Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Mercury	1.00	ND	0.98	98.3%	80% - 120%

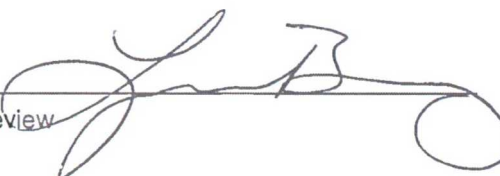
ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.  
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission Spectroscopy, SW-846, USEPA, December 1996.

Comments: **QA/QC for Sample 60960, 60932.**

  
 Analyst

  
 Review



Client:	ConocoPhillips	Project #:	92115-2072
Sample ID:	Underneath Linedrip 5 pt Composite	Date Reported:	01/30/12
Laboratory Number:	60960	Date Sampled:	01/26/12
Chain of Custody:	13302	Date Received:	01/26/12
Sample Matrix:	TCLP Extract	Date Analyzed:	01/27/12
Preservative:	Cool	Date Extracted:	01/26/12
Condition:	Intact	Analysis Needed:	TCLP Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
-----------	-------------------------	-------------------------	-------------------------------

<b>Mercury</b>	<b>ND</b>	<b>0.001</b>	<b>0.2</b>
----------------	-----------	--------------	------------

ND - Parameter not detected at the stated detection limit.

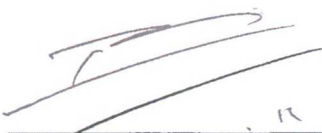
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

Method 3010 Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **BGT / Linedrip Closures / Hurfanito #31**

  
 \_\_\_\_\_  
 Analyst

  
 \_\_\_\_\_  
 Review

**EPA METHOD 1311  
TOXICITY CHARACTERISTIC  
LEACHING PROCEDURE  
TRACE METAL ANALYSIS  
Quality Assurance Report**

Client:	N/A	Project #:	N/A
Sample ID:	01-27- TCM QA/QC	Date Reported:	01/30/12
Laboratory Number:	60960	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Mercury	Date Analyzed:	01/27/12
Condition:	N/A	Date Extracted:	01/26/12

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Difference	Acceptance Range
-----------------------------------	---------------------	-----------------	--------------------	--------	-----------	-----------------	---------------------

<b>Mercury</b>	<b>ND</b>	<b>ND</b>	<b>0.001</b>	<b>ND</b>	<b>ND</b>	<b>0.00%</b>	<b>0% - 30%</b>
----------------	-----------	-----------	--------------	-----------	-----------	--------------	-----------------

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
-----------------------	----------------	--------	------------------	---------------------	---------------------

<b>Mercury</b>	<b>0.100</b>	<b>ND</b>	<b>0.099</b>	<b>98.9%</b>	<b>80% - 120%</b>
----------------	--------------	-----------	--------------	--------------	-------------------


ND - Parameter not detected at the stated detection limit.

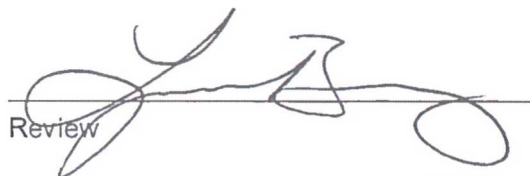
References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Method 3010 Acid Digestion of Aqueous Samples and Extracts for Total Metals,  
SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission,  
SW-846, USEPA, December 1996.

Comments: **QA/QC for Sample 60960.**

  
 \_\_\_\_\_  
 Analyst

  
 \_\_\_\_\_  
 Review



# CHAIN OF CUSTODY RECORD

13302

Client: <u>Conoco</u>		Project Name / Location: <u>BGT/line drip closures/Huerfano #31</u>		ANALYSIS / PARAMETERS													
Email results to:		Sampler Name: <u>Abel Burriaga</u>		TPH (Method 8015)	BTX (Method 8021)	VOC (Method 8260)	PCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE	Total Hg	TCLP Hg	Sample Cool	Sample Intact
Client Phone No.:		Client No.: <u>92115-2072</u>															

Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative			TPH (Method 8015)	BTX (Method 8021)	VOC (Method 8260)	PCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE	Total Hg	TCLP Hg	Sample Cool	Sample Intact
					HgCl <sub>2</sub>	HCl	cool														
<u>5pt composite</u>	<u>01-26-12</u>	<u>10:45</u>	<u>60959</u>	<u>4oz</u>			<u>X</u>		<u>X</u>								<u>X</u>			<u>Y</u>	<u>Y</u>
<u>underneath linedrip</u>	<u>01-26-12</u>	<u>12:45</u>	<u>60960</u>	<u>4oz</u>			<u>X</u>											<u>X</u>	<u>X</u>	<u>Y</u>	<u>Y</u>
<u>5pt. composite</u>																					

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>[Signature]</u>	<u>01-26-12</u>	<u>3:45</u>	<u>Jennifer Winters</u>	<u>1-26-12</u>	<u>3:45</u>
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"/>					

☐ Sample(s) dropped off after hours to secure drop off area.

[Signature]

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



[Signature]

**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Client:	ConocoPhillips	Project #:	92115-2072
Sample No.:	1	Date Reported:	2/27/2012
Sample ID:	BGT Composite	Date Sampled:	1/26/2012
Sample Matrix:	Soil	Date Analyzed:	1/26/2012
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

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

<b>Total Petroleum Hydrocarbons</b>	<b>576</b>	<b>5.0</b>
-------------------------------------	------------	------------

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: **Huerfanito #31 (hBr)**

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

\_\_\_\_\_  
Analyst

\_\_\_\_\_  
Noel Burciaga

Printed

  
\_\_\_\_\_  
Review

\_\_\_\_\_  
Toni McKnight, EIT

Printed

CONTINUOUS CALIBRATION  
EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Cal. Date: 26-Jan-12

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	192
	500	
	1000	

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

\_\_\_\_\_  
Analyst

Noel Burciaga

\_\_\_\_\_  
Print Name

  
\_\_\_\_\_  
Review

Toni McKnight, EIT

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
2/27/2012

\_\_\_\_\_  
Date

\_\_\_\_\_  
2/27/2012

\_\_\_\_\_  
Date



## Field Chloride

Client:	ConocoPhillips	Project #:	92115-2072
Sample No.:	1	Date Reported:	2/27/2012
Sample ID:	BGT Composite	Date Sampled:	1/26/2012
Sample Matrix:	Soil	Date Analyzed:	1/26/2012
Preservative:	Cool	Analysis Needed:	Chloride
Condition:	Cool and Intact		

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

**Field Chloride**

**ND**

**32.0**

ND = Parameter not detected at the stated detection limit.

References: "Standard Methods for the Examination of Water and Wastewater", 18th ed., 1992  
Hach Company Quantab Titrators for Chloride

Comments: **Huerfanito #31 (hBr)**

Analyst

Noel Burciaga

Printed

Review

Toni McKnight, EIT

Printed