

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: Fifield 4A	Facility Type: Gas Well

Surface Owner BLM	Mineral Owner BLM (SF-078138)	API No. 30-045-29438
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LOCATION OF RELEASE

Unit Letter N	Section 21	Township 30N	Range 11W	Feet from the 990	North/South Line South	Feet from the 1460	East/West Line West	County San Juan
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Latitude 36.79333 Longitude 107.99937

NATURE OF RELEASE

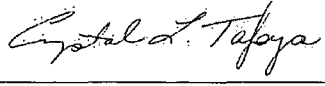
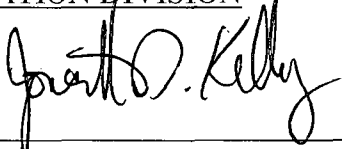
Type of Release Produced Water	Volume of Release 75 bbls	Volume Recovered 0 bbls
Source of Release Produced Water Tank	Date and Hour of Occurrence March 5, 2013 at 2:20pm	Date and Hour of Discovery March 6, 2013 at 9:00am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? BLM (Mark Kelly) & OCD (Jonathan Kelly)	
By Whom? Crystal Tafoya	Date and Hour March 8, 2013 at 7:00am	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.*
A hole in the bottom of a 120bbls produced water tank was discovered allows 75bbls of produced water to be released. No fluid was able to be recovered. The release was contained within the berm and did not leave location.

Describe Area Affected and Cleanup Action Taken.*
NMOCD action levels for release are specified in NMOCD's Guidelines for Leaks, Spills and Releases and the release was assigned a ranking score of 10. Samples were collected and analytical results were above regulatory standards. Excavation and confirmation sampling occurred. The excavation was 18' X 18' X 10' and 150 cubic yards of soil was transported to a third party landfarm. Analytical results were below regulatory standards set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Releases; therefore no further action is required. 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: 8/9/2013	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

NSK 1323126326



July 31, 2013

Project Number 92115-2451

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

Cell: (505) 215-4361

**RE: CONFIRMATION SAMPLING DOCUMENTATION FOR THE FIFIELD #4A (hBr) WELL SITE,
SAN JUAN COUNTY, NEW MEXICO**


Dear Ms. Tafoya:

Enclosed please find the field notes and analytical results for confirmation sampling activities performed at the Fifield #4A (hBr) well site located in Section 21, Township 30 North, Range 11 West, San Juan County, New Mexico. Upon Envirotech personnel's arrival on June 10, 2013, a brief site assessment was conducted. The regulatory standards for the site were determined to be 1000 parts per million (ppm) total petroleum hydrocarbons (TPH) and 100 ppm organic vapors due to a horizontal distance to surface water between 200 and 1000 feet from the location, a depth to groundwater greater than 100 feet, and the well site not being located within a well head protection area, pursuant to New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases.

Prior to Envirotech's arrival, the release area had been excavated to extents of approximately 18 feet by 18 feet by 10 feet below ground surface (BGS). Five (5) composite samples were collected from the excavation. One (1) sample was collected from each of the four (4) walls, and one (1) sample was collected from the bottom; see enclosed *Field Notes*. The samples were analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a photoionization detector (PID). All samples returned results below the regulatory standards for both TPH and organic vapors; see enclosed *Analytical Results*. Envirotech, Inc. recommends no further action in regards to this incident.

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

Respectfully submitted,
ENVIROTECH, INC.



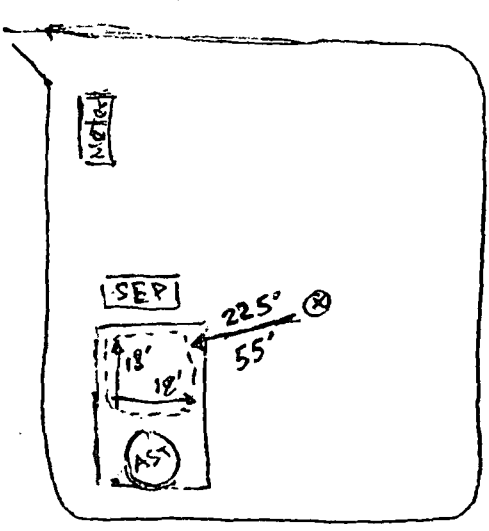
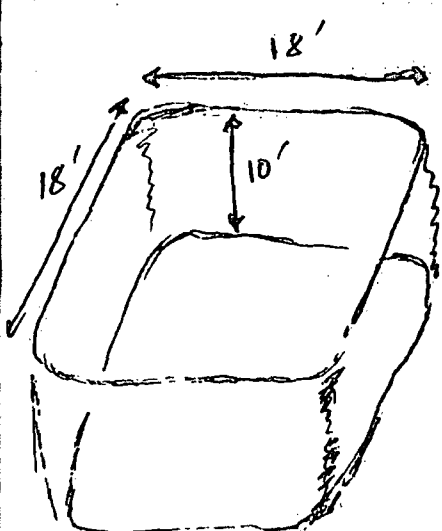
Rene Garcia-Reyes
Staff Scientist
rgarcia@envirotech-inc.com

Enclosure(s): Field Notes
Summary of Analytical Results
Analytical Results
Cc: Client File Number 92115

Client: COPC	 envirotech <small>(800) 832-0815 (800) 382-1878 5798 U.S. Hwy 84, Farmington, NJ 07401</small>	Project No: 92115-2451 COC No: N/A
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FIELD REPORT: SPILL CLOSURE VERIFICATION		PAGE NO: 1 OF 1
LOCATION: NAME: Fossil 4A WELL #: 4A		DATE STARTED: 6/10/15
QUAD/UNIT: N SEC: 21 TWP: 30N RING: 11W PM: CNTY: ST: N/V		DATE FINISHED: 6/10/13
QTR/FOOTAGE: 1460' W & 990'S CONTRACTOR:		ENVIRONMENTAL SPECIALIST: Gene
EXCAVATION APPROX: 18 FT. X 18 FT. X 10 FT. DEEP CUBIC YARDAGE:		
DISPOSAL FACILITY:		REMEDICATION METHOD: Land Farm
LAND USE:		LEASE: SF 078108 LAND OWNER: Federal
CAUSE OF RELEASE: B6t leak		MATERIAL RELEASED: 75 bbls of Produce Water
SPILL LOCATED APPROXIMATELY: FT. 75-90 FROM wellhead		
DEPTH TO GROUNDWATER: 191 NEAREST WATER SOURCE: 1.25 NEAREST SURFACE WATER: 26547		
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM		
SOIL AND EXCAVATION DESCRIPTION:		

SAMPLE DESCRIPTION	TIME	SAMPLE ID	LAB NO.	WEIGHT (g)	ML FREON	DILUTION	READING	CALC. ppm
500 1000		STD					515, 988	
U		1		5	70	x4	33	132
S		2		1	1	1	38	152
E		3		1	1	1	24	96
W		4		1	1	1	64	256
Bottom		5		2	1	1	26	104

SPILL PERIMETER 	OVM RESULTS <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>7.2</td></tr> <tr><td>2</td><td>9.3</td></tr> <tr><td>3</td><td>4.6</td></tr> <tr><td>4</td><td>5.6</td></tr> <tr><td>5</td><td>35.5</td></tr> </tbody> </table> LAB SAMPLES <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> </thead> <tbody> <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> <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	7.2	2	9.3	3	4.6	4	5.6	5	35.5	SAMPLE ID	ANALYSIS	TIME																									SPILL PROFILE 
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TRAVEL NOTES:	CALLED OUT:	ONSITE: 13:00
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215 4361

947-3257

Table 1, Summary of Analytical Results
 ConocoPhillips
 Fifield #4A (hBr)
 Confirmation Sampling Report
 San Juan County, New Mexico
 Project Number 92115-2451

Sample Description	Sample Number	Date	TPH 418.1 (ppm)	OVM (ppm)
NMOCB/RCRA Standards	NA	NA	1000	100
North	1	6/10/2013	132	7.2
South	2	6/10/2013	152	9.3
East	3	6/10/2013	96	4.6
West	4	6/10/2013	256	56.0
Bottom	5	6/10/2013	104	35.5

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 #:	92115-2451
Sample No.:	1	Date Reported:	7/24/2013
Sample ID:	North	Date Sampled:	6/10/2013
Sample Matrix:	Soil	Date Analyzed:	6/10/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	132	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: **Fifield #4A (hBr)**

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


Analyst

Rene Garcia-Reyes
Printed


Review

Toni McKnight, EIT
Printed



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	ConocoPhillips	Project #:	92115-2451
Sample No.:	2	Date Reported:	7/24/2013
Sample ID:	South	Date Sampled:	6/10/2013
Sample Matrix:	Soil	Date Analyzed:	6/10/2013
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	152	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: **Fifield #4A (hBr)**

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

Analyst

Rene Garcia-Reyes

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Review

Toni McKnight, EIT

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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client: ConocoPhillips
Sample No.: 3
Sample ID: East
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92115-2451
Date Reported: 7/24/2013
Date Sampled: 6/10/2013
Date Analyzed: 6/10/2013
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	96	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: **Fifield #4A (hBr)**

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

Analyst

Rene Garcia-Reyes

Printed

Review

Toni McKnight, EIT

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client: ConocoPhillips
Sample No.: 4
Sample ID: West
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92115-2451
Date Reported: 7/24/2013
Date Sampled: 6/10/2013
Date Analyzed: 6/10/2013
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	256	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.

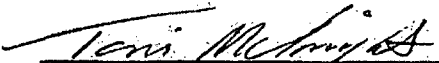
Comments: **Fifield #4A (hBr)**

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



Analyst

Rene Garcia-Reyes
Printed



Review

Toni McKnight, EIT
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**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	ConocoPhillips	Project #:	92115-2451
Sample No.:	5	Date Reported:	7/24/2013
Sample ID:	Bottom	Date Sampled:	6/10/2013
Sample Matrix:	Soil	Date Analyzed:	6/10/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	104	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: **Fifield #4A (hBr)**

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

Analyst

Rene Garcia-Reyes

Printed

Review

Toni McKnight, EIT

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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 10-Jun-13

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	515
	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

7/24/2013

Review

Toni McKnight, EIT

Print Name

Date

7/24/2013