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: **Trail Canyon 104S**	Facility Type: **Gas Well**

Surface Owner **BLM**	Mineral Owner **BLM (NM-0558144)**	API No.**30-045-31333**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	**21**	**32N**	**8W**	**815**	**South**	**1620**	**East**	**San Juan**

Latitude 36.96432 Longitude 107.67672

NATURE OF RELEASE

Type of Release **Produced Water**	Volume of Release **295 bbls**	Volume Recovered **290 bbls**
Source of Release **Equalizer Line Between Produced Water Tanks**	Date and Hour of Occurrence **1/16/13 at 11:30 am**	Date and Hour of Discovery **1/16/13 at 11:45 am**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **BLM (Mark Kelly) & OCD (Brandon Powell)**	
By Whom? **Crystal Tafoya**	Date and Hour **1/16/2013 at 3:00 pm**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*
N/A

RCVD MAR 26 '13
OIL CONS. DIV.
DIST. 3

Describe Cause of Problem and Remedial Action Taken.*
An equalizer line between two 500bbls tanks froze and cracked ~4' in length on the top of the line releasing 295bbls of produced water. The well was shut-in immediately and water trucks dispatched to location were able to recover 290bbls.

Describe Area Affected and Cleanup Action Taken.*
Samples were collected and analytical in the field for TPH using USEPA Method 418.1. The results for TPH using USEPA Method 418.1 are below Guidelines for Remediation of Leaks, Spills and Release. No further action will be taken. Attached is the final report.

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: Crystal L. Tafoya	OIL CONSERVATION DIVISION Approved by Environmental Specialist: Jonathan D. Kelly
Printed Name: **Crystal Tafoya**	
Title: **Field Environmental Specialist**	Approval Date: 4/25/2013 Expiration Date:
E-mail Address: crystal.tafoya@conocophillips.com	Conditions of Approval: Attached ☐
Date: 3/26/2013 Phone: (505) 326-9837	

* Attach Additional Sheets If Necessary

nJK1311542743

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February 8, 2013 Project Number 92115-2381

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

Phone: (505) 324-5140
Cell: (505) 320-0699

RE: SPILL ASSESSMENT DOCUMENTATION FOR THE TRAIL CANYON #104S (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 Trail Canyon #104S (hBr) well site located in Section 21, Township 32 North, Range 8 West, San Juan County, New Mexico. An equalizer line between two (2), 500 (bbl) tanks froze and broke, allowing approximately 295 barrels (bbls) of produced water to be released. Approximately 290 (barrels) bbls were recovered. Upon Envirotech personnel's arrival on January 23, 2013, a brief site assessment was conducted. Due to a horizontal distance to surface water between 200 and 1000 feet from the site, a depth to groundwater greater than 100 feet, and the well site not located within a well head protection area, the regulatory standards were determined to be 1000 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.

The area of release was contained within the berms around the two (2) above ground storage tanks. Two (2) composite samples were collected from the impacted area; one (1) composite sample from the west section and one (1) composite sample from the east section; see enclosed ***Field Notes***. Both 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 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.

Felipe Aragon, CES
Senior Environmental Field Technician
faragon@envirotech-inc.com

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

Client:		Project No:
Conocophillips	envirotech (505) 632-0615 (800) 362-1879 5796 U.S. Hwy 64, Farmington, NM 87401	92115-2381 COC No:

FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: 1 OF

DATE STARTED: 1-23-13

DATE FINISHED:

ENVIRONMENTAL SPECIALIST: E Aragin / T. McIntosh

LOCATION: NAME: Trail Canyon WELL #: 1045

QUAD/UNIT: O SEC: 21 TWP: 32N RNG: 8W PM: CNTY: SJ ST: NM

QTR/FOOTAGE: CONTRACTOR:

~~EXCAVATION~~ Surface APPROX: 70 FT. X 44 FT. X — FT. DEEP CUBIC YARDAGE:

DISPOSAL FACILITY: ~~Range~~ REMEDIATION METHOD: —

LAND USE: Range LEASE: LAND OWNER:

CAUSE OF RELEASE: Frozen/broken pipeline MATERIAL RELEASED: Produced H2O

SPILL LOCATED APPROXIMATELY: 878 FT. 300° FROM well head

DEPTH TO GROUNDWATER: ≥100 NEAREST WATER SOURCE: 900 NEAREST SURFACE WATER: ≥1000

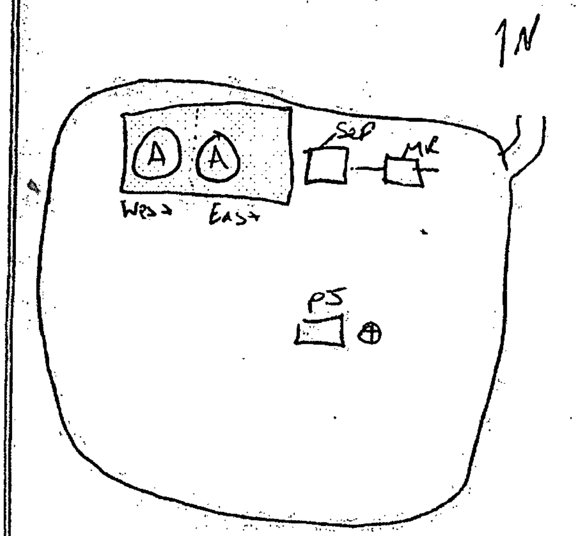
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION:

called Crystal at 2:19 PM. Left message with results.

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
200 STD	1315	200 STD	–	–	–	–	194	–
East Section	1342	1		5	20	4	8	32
West Section	1345	2	–	5	20	4	10	40

SPILL PERIMETER



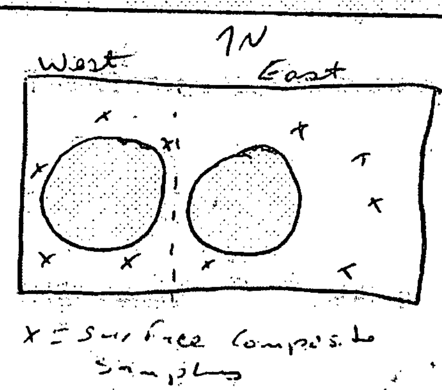
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1	.6
2	33.8

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

SPILL PROFILE



X = Surface Composite Samples

TRAVEL NOTES: CALLED OUT: ONSITE:

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-2381
Sample No.:	1	Date Reported:	2/1/2013
Sample ID:	East Section	Date Sampled:	1/23/2013
Sample Matrix:	Soil	Date Analyzed:	1/23/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**32**	**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: **Trail Canyon #104S (hBr)**

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

Analyst

Felipe Aragon, CES
Printed

Review

Toni McKnight, EIT
Printed

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
info@envirotech-inc.com

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-2381
Sample No.:	2	Date Reported:	2/1/2013
Sample ID:	West Section	Date Sampled:	1/23/2013
Sample Matrix:	Soil	Date Analyzed:	1/23/2013
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**40**	**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: **Trail Canyon #104S (hBr)**

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

Analyst

Felipe Aragon, CES
Printed

Review

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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 23-Jan-13

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	194
	500	
	1000	

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

Analyst — Date: 2/1/2013

Felipe Aragon, CES
Print Name

Review — Date: 2/1/2013

Toni McKnight, EIT
Print Name

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