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 October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

30-039-07082

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company **Burlington Resources, a Wholly Owned Subsidiary of ConocoPhillips Company**		Contact **Kelsi Harrington**	
Address **3401 E. 30th St., Farmington, NM 87402**		Telephone No. **505-599-3403**	
Facility Name **San Juan 27-5 Unit 57**		Facility Type **Gas Well**	**API# 3003907082**
Surface Owner **Federal**	Mineral Owner **Federal**		Lease No. **USA SF-079492-A**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	**13**	**27N**	**05W**	**1450'**	**North**	**2510'**	**West**	**Rio Arriba**

Latitude **36.57659° N** Longitude **-107.3093° W**

NATURE OF RELEASE

Type of Release – **Unknown**	Volume of Release – **Unknown**	Volume Recovered –
Source of Release: **Above Ground Storage Tank**	Date and Hour of Occurrence **Unknown**	Date and Hour of Discovery **11/12/10**
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour –	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* **During facility reset, historical staining was noted. Upon discovery, excavation and confirmation sampling proceeded.**

Describe Area Affected and Cleanup Action Taken.* **Approximately 85 cu/yds of hydrocarbon impacted soil were removed. Confirmation sampling of walls returned results below the regulatory standard (determined to be 100 parts per million (ppm) total petroleum hydrocarbons (TPH); however the bottom sample returned results above the regulatory closure standard at 256 ppm TPH. The NMOCD approved the excavation for backfill as the maximum extents were reached; therefore no further action is needed.**

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: Kelsi Harrington	OIL CONSERVATION DIVISION	
Printed Name: **Kelsi Harrington**	Approved by District Supervisor: Jonathan D. Kelly	
Title: **Environmental Consultant**	Approval Date: 1/26/2011	Expiration Date:
E-mail Address: **kelsi.g.harrington@conocophillips.com**	Conditions of Approval:	Attached ☐
Date: **11/22/10** Phone: **505-599-3403**		

* Attach Additional Sheets If Necessary

RECEIVED
JAN 2011
OIL CONS. DIV. DIST. 3

nJK1134040398

envirotech

November 22, 2010 Project Number 92115-1428

Ms. Kelsi Harrington
ConocoPhillips
3401 East 30th Street
Farmington, New Mexico 87401

Phone: (505) 599-3403
Fax: (505) 599-4005

RE: CONFIRMATION SAMPLING DOCUMENTATION FOR THE SAN JUAN 27-5 #57 (HBR) WELL SITE, RIO ARRIBA COUNTY, NEW MEXICO

Dear Ms. Harrington,

Enclosed are the field notes and analytical results for confirmation sampling activities performed at the San Juan 27-5 #57 (hBr) well site located in Section 13, Township 27 North, Range 5 West, Rio Arriba County, New Mexico. Prior to Envirotech personnel's arrival on November 12, 2010, the CF & M Oilfield crew excavated the former location of an above-ground storage tank (AST) to extents of 22 feet by 20 feet by four (4) feet deep where sandstone was encountered. Upon Envirotech's arrival, a brief site assessment was conducted. Because horizontal distance to surface water was less than 200 feet, the regulatory standards for the site were determined to be 100 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.

One (1) five (5)-point composite sample was collected at four (4) feet below ground surface from the bottom of the excavation, and one (1) four (4)-point composite sample was collected from the walls of the excavation; see attached ***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). The samples returned results below the regulatory standard for organic vapors but above the regulatory standard for TPH. The composite samples were then 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 TPH using USEPA Method 8015; see attached ***Analytical Results***. The walls sample returned results below the regulatory standard for TPH using USEPA Method 8015. The bottom sample returned results above the regulatory standard for TPH using USEPA Method 8015; however, maximum reasonable extents were reached at sandstone on the bottom of the excavation. Therefore, Envirotech, Inc. recommends no further action in regards to this incident.

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.

Rene Garcia Reyes
Senior Environmental Field Technician
rgarcia@envirotech-inc.com

Enclosures: Analytical Results
Field Notes

CC: Client File 92115

Client: COPC

envirotech
(505) 632-0615 (800) 362-1879
5796 U.S. Hwy 64, Farmington, NM 87401

Location No: 30039 0 7082

C.O.C. No:

FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: 1 OF 1

DATE STARTED: 11-12-10

DATE FINISHED: 11-12-10

ENVIRONMENTAL SPECIALIST: Tone

LOCATION: NAME: San Juan 27-5 WELL #: 57

QUAD/UNIT: SEC: 13 TWP: 27N RNG: 5W PM: CNTY: RA ST: NM

QTR/FOOTAGE: 850' & 990' CONTRACTOR: CF&M

EXCAVATION APPROX: 22 FT. X 20 FT. X 4 FT. DEEP CUBIC YARDAGE:

DISPOSAL FACILITY: IFC # REMEDIATION METHOD: Landfarm

LAND USE: Grazing LEASE: SF-079492A LAND OWNER: Private (Carneos)

CAUSE OF RELEASE: MATERIAL RELEASED: O/C

SPILL LOCATED APPROXIMATELY: 74' FT. NE FROM Wellhead

DEPTH TO GROUNDWATER: 140' NEAREST WATER SOURCE: — NEAREST SURFACE WATER: 80'

NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION:

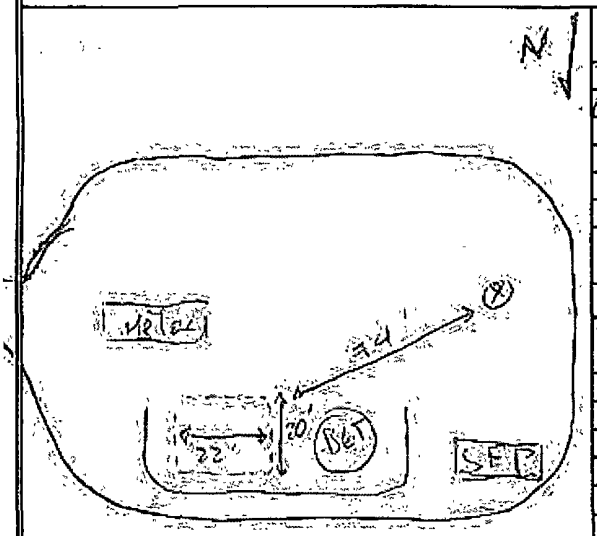
walls had chunks of black material

mix of clay and sandstone @ walls

sandstone @ bottom

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
	10:00	200STD					203	
5pt composite	10:20	Bottom		5	20	x4	98	392
4pt composite	10:25	Walls Composite		5	20	x4	63	252

SPILL PERIMETER



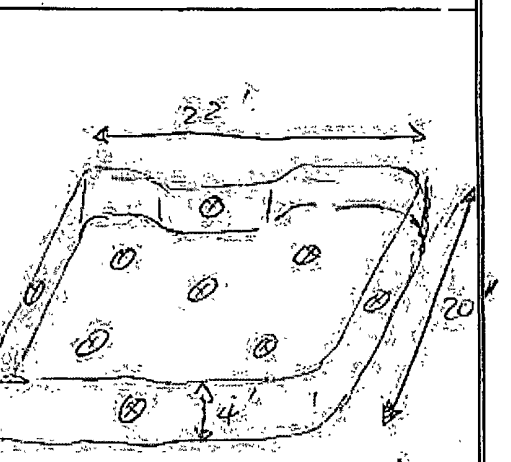
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
Bottom	10.7
Walls composite	14.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

SPILL PROFILE



TRAVEL NOTES: CALLED OUT: ONSITE:

envirotech

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-1428
Sample No.:	1	Date Reported:	11/22/2010
Sample ID:	Bottom	Date Sampled:	11/12/2010
Sample Matrix:	Soil	Date Analyzed:	11/12/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**392**	**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: **San Juan 27-5 #57 (hBr)**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Rene Garcia Reyes, FT
Printed

Review

Sarah Rowland, EIT
Printed

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 info@envirotech-inc.com envirotech-inc.com

envirotech

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-1428
Sample No.:	2	Date Reported:	11/22/2010
Sample ID:	Walls Composite	Date Sampled:	11/12/2010
Sample Matrix:	Soil	Date Analyzed:	11/12/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**252**	**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: **San Juan 27-5 #57 (hBr)**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Rene Garcia Reyes, FT
Printed

Review

Sarah Rowland, EIT
Printed

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 info@envirotech-inc.com envirotech-inc.com

envirotech

CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 12-Nov-10

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	203
	500	
	1000	

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

Analyst

11/18/2010
Date

Rene Garcia Reyes, FT
Print Name

Review

11/18/2010
Date

Sarah Rowland, EIT
Print Name

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 info@envirotech-inc.com envirotech-inc.com

envirotech
Analytical Laboratory

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	ConocoPhillips	Project #:	92115-1482
Sample ID:	Bottom	Date Reported:	11-15-10
Laboratory Number:	56459	Date Sampled:	11-12-10
Chain of Custody No:	10711	Date Received:	11-12-10
Sample Matrix:	Soil	Date Extracted:	11-12-10
Preservative:	Cool	Date Analyzed:	11-15-10
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**220**	**0.2**
Diesel Range (C10 - C28)	**36.4**	**0.1**
Total Petroleum Hydrocarbons	**256**	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **San Juan 27-5 #57**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

envirotech
Analytical Laboratory

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	ConocoPhillips	Project #:	92115-1482
Sample ID:	Walls Composite	Date Reported:	11-15-10
Laboratory Number:	56460	Date Sampled:	11-12-10
Chain of Custody No:	10711	Date Received:	11-12-10
Sample Matrix:	Soil	Date Extracted:	11-12-10
Preservative:	Cool	Date Analyzed:	11-15-10
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**ND**	**0.2**
Diesel Range (C10 - C28)	**ND**	**0.1**
Total Petroleum Hydrocarbons	**ND**	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **San Juan 27-5 #57**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505)632-0615 Fr (800)362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

envirotech
Analytical Laboratory

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	11-15-10 QA/QC	Date Reported:	11-15-10
Laboratory Number:	56462	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-15-10
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	11-15-10	9.9960E+002	1.0000E+003	**0.04%**	**0 - 15%**
Diesel Range C10 - C28	11-15-10	9.9960E+002	1.0000E+003	**0.04%**	**0 - 15%**

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	**ND**	**0.2**
Diesel Range C10 - C28	**ND**	**0.1**

Duplicate Conc. (mg/Kg)	Sample	Duplicate:	% Difference	Accept. Range
Gasoline Range C5 - C10	**ND**	**ND**	**0.0%**	**0 - 30%**
Diesel Range C10 - C28	**ND**	**ND**	**0.0%**	**0 - 30%**

Spike Conc. (mg/Kg)	Sample	Spike Added:	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	**ND**	**250**	**278**	**111%**	**75 - 125%**
Diesel Range C10 - C28	**ND**	**250**	**244**	**97.8%**	**75 - 125%**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **QA/QC for Samples 56459-56460, 56462-56463**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

CHAIN OF CUSTODY RECORD

10711

Client: COPC	Project Name / Location: San Juan 27-5 #57
Client Address:	Sampler Name: René García Reyes
Client Phone No.:	Client No.: 92115-1482

ANALYSIS / PARAMETERS

Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative $HgCl_2$	Preservative HCl	Preservative Cool	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
Bottom	11-12-10	10:20	56459	(Soil) Solid Sludge Aqueous	4oz			X	X													X	X
Walls Composite	11-12-10	10:25	56460	(Soil) Solid Sludge Aqueous	4oz			X	X													X	X
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11-12-10	12:30	[signature]	11/12/10	12:30
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

RUSH

envirotech
Analytical Laboratory

5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com