

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

#### OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	ConocoPhillips Company	Contact	Kelsi Gurvitz
Address	3401 E. 30 <sup>th</sup> St., Farmington, NM 87402	Telephone No.	505-599-3403
Facility Name	San Juan 29-6 Unit #80M	Facility Type	Gas Well
		API #	300-39-27559
Surface Owner	Federal	Mineral Owner	Federal
		Lease No.	NMSF078284

#### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	24	T29N	R06W	60'	South	735'	East	Rio Arriba

Latitude 36.70408° N Longitude 107.40974° W

#### NATURE OF RELEASE

Type of Release – <b>Condensate</b>	Volume of Release – <b>8.12 BBL</b>	Volume Recovered – <b>0 BBL</b>
Source of Release: <b>Production Tank Leak</b>	Date and Hour of Occurrence <b>unknown</b>	Date and Hour of Discovery <b>2/17/10 12:20 p.m.</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 –	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\* **On February 17, 2010, it was discovered that there was a leak coming from the bottom of the production tank. Upon discovery, the well was shut in. No product was recovered.**

Describe Area Affected and Cleanup Action Taken.\* **All product remained within the bermed area. Excavation was completed and confirmation sampling returned results below the standards set forth in the NMCOD Guidelines for Leaks, Spills and Releases; 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: <i>Kelsi Gurvitz</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <b>Kelsi Gurvitz</b>	Approved by District Supervisor: <i>Brandon R. Hill</i> For: CP	
Title: <b>Environmental Consultant</b>	Approval Date: <b>9/22/10</b>	Expiration Date:
E-mail Address: <b>kelsi.m.gurvitz@conocophillips.com</b>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: <b>6/14/10</b> Phone: <b>505-599-3403</b>		

\* Attach Additional Sheets If Necessary

nBP1026538294





May 27, 2010

Project No. 96052-1673

Ms. Kelsi Gurvitz  
Conoco Phillips  
3401 East 30<sup>th</sup> Street  
Farmington, NM 87401

Phone (505) 599-3403

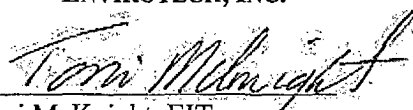
**RE: CONFIRMATION SAMPLING AT THE SAN JUAN 29-6 #80M WELL SITE, RIO ARriba COUNTY, NEW MEXICO**

Dear Ms. Gurvitz,

Envirotech, Inc. has completed confirmation sampling activities for a release of condensate from a leaking above ground storage tank (AST) at the San Juan 29-6 #80M well site, located in Section 24, Township 29N, Range 6W, Rio Arriba County, New Mexico. On April 12, 2010, Envirotech, Inc. arrived on site to perform confirmation sampling activities. Prior to arrival, M&M Trucking excavated the contaminated area to approximately 43' x 31' x 4' deep. The closure standard for this site was determined to be 1,000 ppm total petroleum hydrocarbons (TPH) and 100 ppm organic vapors (OV) due to a distance to surface water between 200 and 1,000 feet from the well site. The closure standard was determined using the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases. Five (5) composite samples were collected from the excavation. One (1) composite sample was collected from each of the four (4) walls and one (1) composite sample was collected from the bottom of the excavation. Sandstone was encountered at the bottom of the excavation at approximately four (4) feet below ground surface (BGS) where maximum reasonable extents were reached. All samples were analyzed in the field for TPH via USEPA Method 418.1 and OV using a Photo Ionization Detector (PID). All samples returned results below the NMOCD regulatory standard for TPH. The samples collected from the walls returned results below the NMOCD regulatory standard for OV; however, the bottom sample returned results above the NMOCD regulatory standard for OV; see enclosed *Field Notes*. The bottom sample was collected into a four (4)-ounce glass jar, capped headspace free, and transported with ice under chain of custody to Envirotech's laboratory to be analyzed for benzene and BTEX via USEPA Method 8021. The sample returned results that were below regulatory standards for all constituents analyzed; see enclosed *Analytical Results*. The contaminated soil was transported to IEI's permitted remediation facility. Envirotech, Inc. recommends no further action in regards to this incident.

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

Respectfully Submitted,  
ENVIROTECH, INC.

  
Toni McKnight, EIT  
Staff Engineer/Geologist  
[tmcknight@envirotech-inc.com](mailto:tmcknight@envirotech-inc.com)

Enclosures: Analytical Results  
Field Notes

Cc: Client File 96052



**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Client:	ConocoPhillips	Project #:	96052-1673
Sample No.:	1	Date Reported:	4/20/2010
Sample ID:	North Wall	Date Sampled:	4/12/2010
Sample Matrix:	Soil	Date Analyzed:	4/12/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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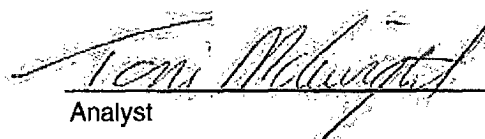
<b>Total Petroleum Hydrocarbons</b>	<b>152</b>	<b>5.0</b>
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ND = Parameter not detected at the stated detection limit.

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

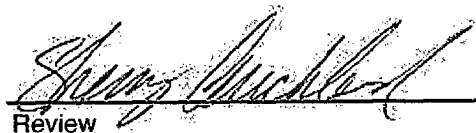
Comments: **San Juan 29-6 #80M**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
Analyst

Toni McKnight

Printed

  
Review

Sherry Auckland

Printed



**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Client:	ConocoPhillips	Project #:	96052-1673
Sample No.:	2	Date Reported:	4/20/2010
Sample ID:	South Wall	Date Sampled:	4/12/2010
Sample Matrix:	Soil	Date Analyzed:	4/12/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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<b>Total Petroleum Hydrocarbons</b>	<b>280</b>	<b>5.0</b>
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ND = Parameter not detected at the stated detection limit.

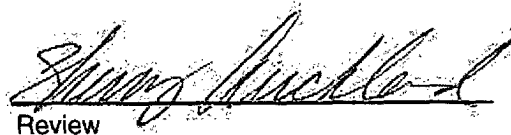
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **San Juan 29-6 #80M**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
Analyst

Toni McKnight  
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Sherry Auckland  
Printed



**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Client:	ConocoPhillips	Project #:	96052-1673
Sample No.:	3	Date Reported:	4/20/2010
Sample ID:	East Wall	Date Sampled:	4/12/2010
Sample Matrix:	Soil	Date Analyzed:	4/12/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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<b>Total Petroleum Hydrocarbons</b>	<b>128</b>	<b>5.0</b>
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ND = Parameter not detected at the stated detection limit.

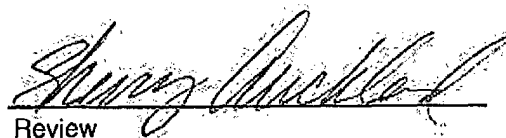
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **San Juan 29-6 #80M**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
\_\_\_\_\_  
Analyst

Toni McKnight  
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\_\_\_\_\_  
Review

Sherry Auckland  
Printed



**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

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

Project #: 96052-1673  
Date Reported: 4/20/2010  
Date Sampled: 4/12/2010  
Date Analyzed: 4/12/2010  
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	120	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: **San Juan 29-6 #80M**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
\_\_\_\_\_  
Analyst

**Toni McKnight**  
\_\_\_\_\_  
Printed

  
\_\_\_\_\_  
Review

**Sherry Auckland**  
\_\_\_\_\_  
Printed



**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Client:	ConocoPhillips	Project #:	96052-1673
Sample No.:	5	Date Reported:	4/20/2010
Sample ID:	Bottom on Sandstone	Date Sampled:	4/12/2010
Sample Matrix:	Soil	Date Analyzed:	4/12/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

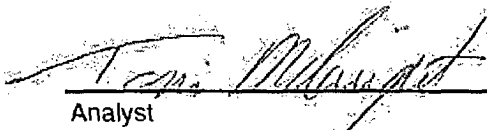
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	192	5.0

ND = Parameter not detected at the stated detection limit.

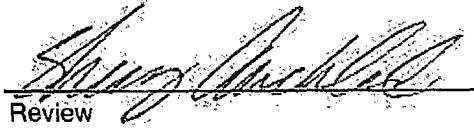
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **San Juan 29-6 #80M**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
Analyst

Toni McKnight  
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# envirotech

CONTINUOUS CALIBRATION  
EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Cal. Date: 12-Apr-10

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	203
	213	
	500	
	1000	

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

Toni McKnight  
Analyst

4/20/2010  
Date

Toni McKnight

Print Name

Sherry Auckland  
Review

4/20/10  
Date

Sherry Auckland

Print Name





# envirotech

Analytical Laboratory

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-1673
Sample ID:	Bottom on Sandstone	Date Reported:	04-14-10
Laboratory Number:	53669	Date Sampled:	04-12-10
Chain of Custody:	9076	Date Received:	04-12-10
Sample Matrix:	Soil	Date Analyzed:	04-13-10
Preservative:	Cool	Date Extracted:	04-12-10
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	103	0.9
Toluene	2,300	1.0
Ethylbenzene	473	1.0
p,m-Xylene	6,310	1.2
o-Xylene	1,310	0.9
Total BTEX	10,500	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	113 %
	1,4-difluorobenzene	109 %
	Bromochlorobenzene	116 %

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: Confirmation Sampling / San Juan 29-6 #80M

Analyst

Review



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Analytical Laboratory

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	04-13-BT QA/QC	Date Reported:	04-14-10
Laboratory Number:	53620	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-13-10
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	% Diff	Blank Conc	Detect Limit
			Accept Range 0 - 15%		

Benzene	1.3942E+006	1.3970E+006	0.2%	ND	0.1
Toluene	1.2821E+006	1.2847E+006	0.2%	ND	0.1
Ethylbenzene	1.1454E+006	1.1477E+006	0.2%	ND	0.1
p,m-Xylene	2.8436E+006	2.8493E+006	0.2%	ND	0.1
o-Xylene	1.0827E+006	1.0849E+006	0.2%	ND	0.1

Duplicate Conc (ug/Kg)	Sample	Duplicate	% Diff	Accept Range	Detect Limit
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Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	ND	ND	0.0%	0 - 30%	1.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.0
p,m-Xylene	ND	ND	0.0%	0 - 30%	1.2
o-Xylene	ND	ND	0.0%	0 - 30%	0.9

Spike Conc (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
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Benzene	ND	50.0	55.4	111%	39 - 150
Toluene	ND	50.0	55.1	110%	46 - 148
Ethylbenzene	ND	50.0	53.9	108%	32 - 160
p,m-Xylene	ND	100	107	107%	46 - 148
o-Xylene	ND	50.0	54.4	109%	46 - 148

ND - Parameter not detected at the stated detection limit.

#### 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 Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 53602, 53620 - 53622, 53626 - 53629, 53652 and 53669.

Analyst

Review

09076

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

Client:

ConocoPhillips


**envirotech**  
 (805) 632-0615 (800) 362-1879

5798 U.S. Hwy 64, Farmington, NM 87401

Location No:

C.O.C. No:

## FIELD REPORT: SPILL CLOSURE VERIFICATION

PAGE NO: 1 OF 1

 LOCATION: NAME: San Juan 29-6 WELL #: 80m  
 QUAD/UNIT: SEC: 29 TWP: 29 RNG: 6 PM: NM CNTY: RA-ST: NM  
 QTR/FOOTAGE: 60' F52 & 735' FEL CONTRACTOR: m&m

DATE STARTED: 4/12/2010

DATE FINISHED: 4/12/2010

ENVIRONMENTAL

SPECIALIST: TLM

EXCAVATION APPROX: 43 FT. X 31 FT. X 4 FT. DEEP CUBIC YARDAGE:

DISPOSAL FACILITY: FEI

REMEDIATION METHOD: landfarm

LAND USE: Grazing

LEASE: NMS #078284

LAND OWNER:

CAUSE OF RELEASE: Leaking tank

MATERIAL RELEASED: condensate

SPILL LOCATED APPROXIMATELY: 81 FT. 242 FROM wellhead

DEPTH TO GROUNDWATER: 7100' NEAREST WATER SOURCE: 71000' NEAREST SURFACE WATER: 950'

NMOCD RANKING SCORE: 10

NMOCD TPH CLOSURE STD: 1,000 PPM

## SOIL AND EXCAVATION DESCRIPTION:

Cat 36042.2284'

Cong 107024.6315'

Weather: Partly cloudy w/ on/off showers while sampling.

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
STD 200(213)	14:15	—	—	—	—	—	—	203
North	14:21	1	—	5	20	4	38	152
South	14:24	2	—	5	20	4	40	280
East	14:26	3	—	5	20	4	32	128
West	14:28	4	—	5	20	4	20	120
Bottom @ 4' Sand Shore	14:30	5	—	5	20	4	48	192

## SPILL PERIMETER

## OVM RESULTS

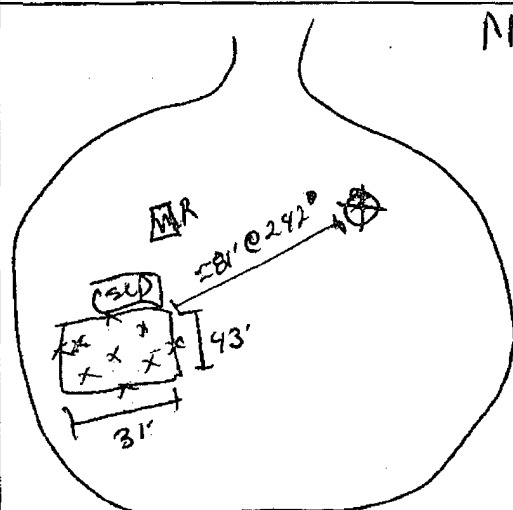
## SPILL PROFILE

NN

SAMPLE ID	FIELD HEADSPACE PID (ppm)
STD 200	95
1	0.0
2	11.5
3	16.8
4	3.8
5	250

## LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME



x sample points



TRAVEL NOTES: CALLED OUT: left at 1:50

ONSITE: