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

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## State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Revised October 10, 2003

Form C-141

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

OPERATOR	Name of Company   Contace   Section   San Juan 32-7 Unit 301 SWD   Facility Name   Section   Township   Range   Feet from the   Name   San Juan 32-7 Unit 301 SWD   Feet from the   San Juan 32-7 Unit 301 SWD   San Juan	Release Notification and Corrective Action												
Facility Name   San Juan 32-7 Unif 301 SWD   Facility Type   SWD API#3004528549	Address 3401 E. 30" St., Farmington, NM 87402   Telephone No. 505-599-3403  Surface Owner Federal   Mineral Owner Federal   Lease No. SF-078998  LOCATION OF RELEASE  LINI Letter   Section   Township   Range   Peet from the South   Feet from t	30-045-28549 OP					OPI	ERATOR		☐ Initial I	Repo	ort		
Facility Name   San Juan 32-7 Unit 301 SWD   Mineral Owner   Federal   Lease No. SF-078998	Facility Name   San Juan 32-7 Unit 301 SWD   Mineral Owner   Federal   Lease No. SF-078998	Name of Company ConocoPhillips Company												
Lease No. SF-078998   Lease No. SF-078998	Surface Owner Federal   Loss No. SF-078998						02							
Unit Letter   Section   34   32N   07W   735'   South   Feet from the   South   761'   West   San Juan      Latitude 36.9326500° N   Longitude -107.5601200° W     San Juan   South   761'   West   San Juan	LOCATION OF RELEASE   Section   Township   Range   Feet from the   North/South Line   Feet from the   South				nit 301 S				SWD API#3			·		
Unit Letter   Section   34   32N   07W   Feet from the South Line   Feet from the South Line   South   761'   West   San Juan	Init Letter   Section   34   32N   78W   735'   South   South   Feet from the   South   San Juan	Surface Ow	ner <b>Fede</b>	ral		Mineral Ov	vner	Federal		Leas	se No	o. SF-078998		
Latitude 36.9326500° N   Longitude -107.5601200° W	Latitude 36.9326500° N   Longitude -107.5601200° W					LOCA'	TIO	N OF REL	EASE					
NATURE OF RELEASE   Volume of Release	NATURE OF RELEASE						Nor			L	ine			
Type of Release — Volume Recovered — 1.5 BBL Produced Water / Natural Gas	Type of Release — Volume of Release — Volume Recovered — 1.5 BBL Produced Water / Natural Gas    Source of Release	N	<u>34</u>	32N	07W	735′		South	761'	West		San Juan		
Volume of Release	Yolume of Release				Latit	ude <u>36.932650</u>	<u>0° N</u>	Longitude	<u>-107.560120</u>	0° W				
Source of Release:   Date and Hour of Decurrence   Date and Hour of Discovery   Wellhead   5/13/11 1:47 p.m.   5/13/11 1:47	Source of Release:   Date and Hour of Occurrence   Date and Hour of Discovery   Wellhead   S13/11 1:47 p.m.   S13/11 1:47 p.m	•				NATU	URE	OF RELE	EASE					
Source of Release: Wellhead 5/13/11 1:47 p.m.	Date and Hour of Occurrence   S/13/11 1:47 p.m.   Date and Hour of Discovery			Notural Co							Vol	lume Recovered – 1.5 BBL		
Was Immediate Notice Given?    Yes   No   Not Required   If YES, To Whom?   Brandon Powell (NMOCD)- verbal	Wes Immediate Notice Given?    Yes   No   Not Required   Sf/3/11 1:47 p.m.   Sf/3/11 1:47 p.m.			Naturai Gas	<u> </u>					٠.	Dat	te and Hour of Discovery		
By Whom? Jamie Goodwin  Was a Watercourse Reached?  Yes No  If YES, Volume Impacting the Watercourse.  RCUD OCT 11 '11  If a Watercourse was Impacted, Describe Fully.  Alt:  UIL CUNS. DIV.  1515 2  Describe Cause of Problem and Remedial Action Taken.* The SWD Operator at the San Juan 32-7 301 SWD began a timed blow down operation on the intermediate casing of the well. The operator began this operation at approximately 2:00 pm on Friday May 13, 2011. The initial pressure of the intermediate casing was at approximately 1200 psig. The pressure had been higher (1400 psig) earlier in the morning when a Bradenhead test was attempted but was stopped due to the pressure and potential safety concerns. At that time, pressure was blown down to approximately 1200 psig during the attempted test. Approval by NMOCD was received to blow down the intermediate pipe and the blow down began. The SWD Operator was adjusting one of the 1" above ground valves when it was noticed that the 1" pipe was vibrating. This occurred a few minutes after beginning the test. There two 1" valves above ground and one 2" valve below ground. The 1" pipe broke off below ground and water and gas were released from the intermediate casing. The gas was allowed to bleed down to atmospheric pressure and it is estimated that it took approximately 45 minutes for the pressure to reach atmospheric. The lower 2" valve was closed once the gas pressure was bled off and it was deemed safe to do so. No personnel were hurt during this operation. Visual inspection of the broken 1" pipe indicated it was original to the well. Cameron Wellhead Systems were called and their personnel inspected the existing intermediate valve and re-piped the intermediate system.  Describe Area Affected and Cleanup Action Taken.* Confirmation sampling of the impacted area occurred and analytical results were under the regulation piping and had not been brought up to COPC standard. All SWD wellheads have been inspected now to verify below ground wellhead piping is up to standard with 2" p	By Whom? Jamie Goodwin  Was a Watercourse Reached?  Wes So No  If Yes So No  If Yes, Volume Impacting the Watercourse.  RCWD DCT 11*1.1  If a Watercourse was Impacted, Describe Fully.*  Describe Cause of Problem and Remedial Action Taken.* The SWD Operator at the San Juan 32-7 301 SWD began a timed blow down operation on the intermediate casing of the well. The operator began this operation at approximately 2:00 pm on Friday May 13, 2011. The initial pressure of the intermediate casing was at approximately 1200 psig. The pressure had been higher (1400 psig) earlier in the morning when a Bradenhead test was attempted but was stopped due to the pressure and potential safety concerns. At that time, pressure was blown down to approximately 1200 psig during the attempted test. Approval by NMOCD was received to blow down the intermediate pipe and the blow down began. The SWD Operator was adjusting one of the 1" above ground valves when it was noticed that the 1" pipe was vibrating. This occurred a few minutes after beginning the test. There were two 'avleves above ground and one 2" valve below ground. The 1" pipe broke off below ground and water and gas were released from the intermediate casing. The gas was allowed to bleed down to atmospheric pressure and it is estimated that it took approximately 45 minutes for the pressure to reach atmospheric. The lower 2" valve was closed once the gas pressure was bled off and it was deemed safe to do so. No personnel were hurt during this operation. Visual inspection of the broken 1" pipe indicated it was original to the well. Cameron Wellhead Systems were called and their personnel inspected the existing intermediate valve and re-piped the intermediate system.  Describe Area Affected and Cleanup Action Taken.* Confirmation sampling of the impacted area occurred and analytical results were under the regulatory requirements set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Releases; therefore no further action is required. During the incident investigation													
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Title: Environme	ental Consultant	Approval Date:	Expiration [	Date:
E-mail Address: <b>kelsi.g.harrir</b>	ngton@conocophillips.co	Conditions of Approval:		Attached
Date: 5/27/11	Phone: <b>505-599-3403</b>			

<sup>\*</sup> Attach Additional Sheets If Necessary



August 11, 2011

Project Number 96052-1936

Phone: (505) 599-3403

Cell: (505) 320-2461

Ms. Kelsi Harrington ConocoPhillips 3401 East 30<sup>th</sup> Street Farmington, New Mexico 87401

RE: SPILL ASSESSMENT AND CONFIRMATION SAMPLING DOCUMENTATION FOR THE SAN JUAN 32-7 UNIT 301 SWD, SAN JUAN COUNTY, NEW MEXICO

JUAN 32-7 UNII SUI SWD, SAN JUAN COUNTI, NEW MEA

Dear Ms. Harrington,

Enclosed please find the field notes and analytical results for spill assessment and confirmation sampling activities performed at the San Juan 32-7 Unit 301 SWD located in Section 34, Township 32 North, Range 7 West, San Juan County, New Mexico. The wellhead on the location leaked, releasing liquid that traveled south from the wellhead for approximately 78 feet. Upon Envirotech's arrival, a brief site assessment was conducted and the cleanup standard for the site was determined to be 5000 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.

Prior to Envirotech's arrival, the contaminated soil had been scraped into a pile on site. Two (2) five (5)-point composite samples were collected from the site. One (1) composite sample was collected from around the wellhead and one (1) composite sample was collected from the contaminated soil pile; 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). Both samples returned results below the regulatory limits for TPH and organic vapors; see enclosed *Analytical Results*. Therefore, no additional excavation was required. 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.

Scott Gonzales

Senior Environmental Field Technician

sgonzales@envirotech-inc.com

Enclosure(s): Field Notes

**Analytical Results** 

Cc:

Client File Number 96052

100.1		`						
Client:		<i></i>		nviro	tech	)	Location N	o:
(10x00 96052-1936			(50	95) 632-0615 ( J.S. Hwy 64, Form	800) 362-187		C.O.C. No:	
FIELD REPORT: SI	PILL CLO	OSURE V	ERIFIC	ATION			PAGE NO	OF(
	<del></del>				····	<del></del>		ARTED: 5-19-11
LOCATION: NAME: SAI QUAD/UNIT:				SOLSWD PM:Nmpm	CNITY	CT. OL	DATE FIN ENVIRON	ISHED: 5-19-11
QTR/FOOTAGE:	SEC: 34		CONTRAC		CNIT:5J		SPECIALI	
EXCAVATION APPROX:		FT. X		FT. X		FT. DEEP	CUBIC YA	RDAGE:
DISPOSAL FACILITY: LAND USE:		· · · · · · · · · · · · · · · · · · ·	LEASE:	REMEDIATI		LAND OW	NFR:	
CAUSE OF RELEASE: Well	houd lea			MATERIAL	RELEASED	Seplesed to	oler	
SPILL LOCATED APPROXI					FROM wiell			
DEPTH TO GROUNDWATE					O	NEAREST	SURFACE	WATER: \$ 1000
NMOCD RANKING SCORE	: 0			PH CLÓSURI	E STD: 5t	000	PPM	
SOIL AND EXCAVATION I must will Clinist Haskin wellhous leaked and w Contour robol soil was spoke wilkels: No san	ul Conoco ent down Scraped U	iocation for	r approxi	<b>7</b> 8'ft.				
SAMPLE DESCRIPITION	TIME	SAMPLEID	LABNO	WEIGHT (g)	ml FREON	DILITION	READING	CALC. ppm
Zoo std.	12:15	200 Stf	2722710.	D.C. (6)	nas riason	DIDOTION	212	<u> </u>
Sot Camp delhead	12:30	Spt. Comp	(	_ <u>\$</u>	20	ч	150	600
Spt. Comp Bis-Pile	12:45	Biopile	2	5	20	4	84	334
SPILL PER	IMETER <sub>.</sub>			OVM RESULTS			SPILL F	PROFILE .
30.18.A	TÉ .	動し	SAMPLE ID waither! Bropile	FIELD HEAD (pp) 0.2 NO		x		×
000 AST'S		O Solver	L SAMPLE ID	AB SAMPL	ES TIME	X	<b>\( \)</b>	)x ×
TRAVEL NOTES:	_CALLED O	Л:			ONSITE:			



# EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

ConocoPhillips

a

96052-1936

Sample No::

1

Project #:
Date Reported:

040/0044

Sample ID:

5 Pt. Composite Wellhead

6/10/2011

Sample Matrix:

Soil

Date Sampled:

5/19/2011

Preservative:

Cool

Date Analyzed: Analysis Needed: 5/19/2011 TPH-418,1

Condition:

Cool and Intact

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

**Total Petroleum Hydrocarbons** 

600

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 32-7 Unit 301 SWD

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Scott Gonzales

**Printed** 

Toni McKnight, EIT

Printed



# **EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS**

Client:

ConocoPhillips

96052-1936

Sample No.:

2

Project #: Date Reported:

Sample ID:

5 Pt. Composite Soil Pile

6/10/2011

Sample Matrix:

Soil

Date Sampled:

5/19/2011

Preservative:

Cool

Date Analyzed: Analysis Needed:

5/19/2011 TPH-418.1

Condition:

Cool and Intact

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

### **Total Petroleum Hydrocarbons**

336

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 32-7 Unit 301 SWD

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Review

Scott Genzales

**Printed** 

Toni McKnight, EIT

**Printed** 



# CONTINUOUS CALIBRATION EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

19-May-11

Parameter	Standard Concentration mg/L	Concentration Reading mg/L	
TPH	100		
	200	212	
	500		
	1000		

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

Town Widtlege		6/10/2011	
Analyst	Date		
Scott Gonzales			
Print Name			
Toni Milnight	`	6/10/2011	
Review	Date		

Toni McKnight, EIT

**Print Name**