<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 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. Submit 1 Copy to appropriate District Office to accordance with 19.15.29 NMAC.

Form C-141

Revised August 8, 2011

	,			Sa	inta $F\epsilon$	e, NIVI 8/5	05										
			Rele	ease Notific	eation	and Co	rrective A	ction	1	·							
						OPERA	ΓOR		☐ Initia	al Report	\boxtimes	Final Repor					
Name of Co	mpany B	urlington Res	ources O	il & Gas Compa	ny	Contact Crystal Tafoya											
		St, Farmin					No.(505) 326-98	337									
Facility Nar	ne: San Ju	ıan 32-9 Un	it 271			Facility Type: Gas Well											
Surface Ow	ner Feder	al		Mineral C	wner F	ederal (BL	M -078513)		API No	.30-045-28	3031						
				LOCA	TION	OF RE	LEASE										
Unit Letter	Section	Township	Range	Feet from the	l	South Line	Feet from the	1	West Line	County							
K	18	32N	9W	2120		South	790	<u> </u>	West	San Juan							
				Latitude <u>3</u>	6.9826	7 Longitud	le <u>-107.8233</u>										
			_	NAT	URE	OF REL											
Type of Rele		KCL Water				Volume of				Recovered		BLS					
Source of Release Rig Pit						Unknown	Iour of Occurrenc	ce		Hour of Dis t 7:00 AM	covery	<i>'</i>					
Was Immedia	ate Notice C	Given?			 	If YES, To	Whom?			t 7.00 /xivi							
			Yes 🗵	No 🖾 Not Re	equired												
By Whom?						Date and I-			OIL (CONS. DI	/ DIS	T. 3					
Was a Water	course Reac		Yes 🔯 1	No.		If YES, Vo	olume Impacting t	the Wat									
										<u>JUL 29</u>	2014						
If a Watercou	irse was Im	pacted, Descr	ibe Fully.*	*						•							
N/A																	
		em and Reme															
				n unknown perso ained on locatior				r to be i	released. I	he valve wa	as qui	ckly shut and					
the area min	iculately 12	akea. The re	icase rein	amed on location	i and no	volume was	recovered.										
Describe Are	o Affootod	and Cleanup A	Action Tol	an *													
				ed in NMOCD's	Guidelir	ies for Leaks	s, Spills and Rele	eases an	d the relea	se was assi	gned a	ranking					
score of 10.	Samples w	ere collected		tical results are													
final report	is attached	for review.															
				is true and comp nd/or file certain r													
				e of a C-141 repo													
				investigate and r													
		ddition, NMC vs and/or regu		tance of a C-141	report d	oes not reliev	e the operator of	respons	ibility for c	ompliance v	vith an	y other					
rederal, state,	or local lav	ws and/or rege	nations.		Ţ.		OIL CON	SERV	ATION	DIVISIO	M	$\overline{}$					
	1	0 /-	f;				OID COIN	<u>DDIC (</u>		DI 1151	7-	(1					
Signatura	yota	ed. Tay	oya						1	'e/ /	/ ,						
Signature:			0			Approved by	Environmental S	pecialis	i: U	<i>()</i>	1						
Printed Name	e: Crystal	Tafoya					 										
Title: Field	e: Field Environmental Specialist						te: 48/14		Expiration	Date:							
E-mail Addre	ess: crystal t	afova@conoc	cophillips	com		Conditions o	f Approval:				_						
	j				Conditions of Approval: Attached												

* Attach Additional Sheets If Necessary

Date: 7/25/2014

Phone: (505) 326-9837

Application of Cypsum to Impacted Aron. HACS/425136052



July 24, 2014

Project Number 92115-2576

Phone: (505) 326-9837

Cell: (505) 215-4361

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

SPILL ASSESSMENT FOR THE SAN JUAN 32-9 #271 (HBR) WELL SITE, SAN JUAN COUNTY, NEW MEXICO

Dear Ms. Tafoya:

Envirotech, Inc. of Farmington, New Mexico, was contracted by ConocoPhillips to provide spill assessment and confirmation sampling services for a release of potassium chloride (KCL) water from the San Juan 32-9 #271 (hBr) well site located in Section 18, Township 32 North, Range 9 West, San Juan County, New Mexico. Approximately 20 barrels (bbls) of KCL water was released.

Upon arrival, a brief site assessment was conducted. Because the well site is located between 200 and 1,000 feet of surface water, the closure standard for this site was determined to be 1,000 parts per million (ppm) total petroleum hydrocarbons (TPH) and 100 ppm organic vapors pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills, and Releases.

One (1) five (5)-point composite sample was collected from the area of release. The sample was screened in the field for TPH using USEPA Method 418.1, for organic vapors using a photoionization detector (PID), and chlorides using a Quantab field chloride strip. The sample returned results below regulatory standards for TPH and organic vapors; see enclosed *Analytical Results*. The sample was analyzed for chlorides for information purposes only. The sample was then placed into a (4)-ounce glass jar, capped headspace free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for TPH using USEPA Method 8015, for benzene and BTEX using USEPA Method 802, and chlorides using USEPA Method 300.0; see enclosed *Analytical Results*. The sample returned results below the regulatory standards for all constituents analyzed. The sample was analyzed for chlorides for information purposes only.

Envirotech, Inc. recommends no further action in regards to this incident.



ConocoPhillips San Juan 32-9 #271 Well Site Spill Assessment July 24, 2014 Page 2

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.**

Sheena Leon

Environmental Technician sleon@envirotech-inc.com

Enclosures:

Field Notes

Analytical Results

Cc:

Client File Number 92115

lia.	Tree					arment turn na	tale area la company					
Client:	(A)) ar	vir		<i>c</i> h	Project No	15-2576					
Conocephillips		· ·	05) 632-061B	the second of th		COC No:	10 0014					
			U.S. Hwy 64, Fr									
FIELD REPORT: SPILL CLO	SURE VI	FRIFICA	ATION			PAGE NO	OF (
				<u></u>		DATE STARTED: U/5114						
LOCATION: NAME: Can JUCA		WELL#:		271		DATE FINISHED: (0)5/14						
QUAD/UNIT: SEC: 18 QTR/FOOTAGE:	TWP: 321	RNG: 9 LL		CNTY:5	ST: nm	ENVIRON SPECIALI	IST: S RUM					
EXCAVATION APPROX:	FT. DEEP	CUBIC Y	ARDAGE:									
DISPOSAL FACILITY: LAND USE:		LEASE:	REMEDIATI	ON METHO								
CAUSE OF RELEASE:	<u>1191, 2, 2 m. 1, 14 .</u> 110, 14 . 1, 1	LEASE:	MATERIAL	RELEASED	LAND OW	NER:						
SPILL LOCATED APPROXIMATELY:		FT.		FROM								
DEPTH TO GROUNDWATER:	NEAREST V		URCE:	TROM	NEAREST	SURFACE	WATER: 25-P1					
NMOCD RANKING SCORE:			PH CLOSURE	STD:	1000	PPM	5,547					
SOIL AND EXCAVATION DESCRIPTION	Ň.											
						٠.	•					
						٠. ٠						
							· · · · · · · · · · · · · · · · · · ·					
					. 41							
SAMPLE DESCRIPITION TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm					
SOU POMOSINE 11:00				0.	V//	37						
DOI COMPANS			59	20m1	X 4	21	148					
	destruction of											
SPILL PERIMETER			OVM RESULTS		es.	SPILL I	PROFILE					
	_	SAMPLE		SPACE PID	T The state of the							
	· RV	ID .	(ppi									
	^		<u> </u>									
		1,7 2 1										
10 1 00 1 1 00 1 1 1 1 1 1 1 1 1 1 1 1	1											
	4						:					
		171-1	AB SAMPLE	-25	ł		· ·					
		SAMPLE	ANALYSIS	TIME			:					
-		ID										
	1		5457mg	11:30	1							
							Š					
					-							
]	·	<u> </u>					

ONSITE:

TRAVEL NOTES:_

__CALLED OUT:_

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

ConocoPhillips

Project #:

92115-2576

Sample No.:

Soil Composite

Date Reported:

6/13/2014

Sample ID:

Soil

Date Sampled:

6/5/2014

Sample Matrix: Preservative:

Cool

Date Analyzed: Analysis Needed: 6/5/2014 TPH-418.1

Condition:

Cool and Intact

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

Total Petroleum Hydrocarbons

148

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 32-9 #271 (hBr)

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

Analyst

Review

Sheena Leon

Printed

Toni McKnight, EIT

Printed

CONTINUOUS CALIBRATION EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Cal. Date:

Print Name

5-Jun-14

	Standard	Concentration	
	Concentration	Reading	***
Parameter	mg/L	mg/L	
TPH	100		
	200	188	
	500		
	1000		

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

Sheina Lear	6/13/2014
Analyst W	Date
Sheena Leon	
Print Name	
Joni Mc Compter	6/13/2014
Review	Date
Toni McKnight, EIT	



Analytical Report

Report Summary

Client: ConocoPhillips

Chain Of Custody Number: 17047

Samples Received: 6/5/2014 2:40:00PM

Job Number: 92115-2576

Work Order: P406018

Project Name/Location: San Juan 32-9 #271

Tim Cain, Laboratory Manager

Entire Report Reviewed By:

Date:

6/9/14

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.





Project Name:

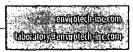
San Juan 32-9 #271

PO Box 2200 Bartlesville OK, 74005 Project Number: Project Manager: 92115-2576 Sheena Leon

Reported: 09-Jun-14 13:57

Analyical Report for Samples

Client Sample 1D	Lab Sample ID	Matrix	Sampled	Received	Container
Soil Composite	P406018-01A	Soil	06/05/14	06/05/14	Glass Jar, 4 oz.





Project Name:

San Juan 32-9 #271

PO Box 2200

Project Number:

92115-2576

Reported: 09-Jun-14 13:57

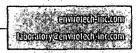
Bartlesville OK, 74005

Project Manager:

Sheena Leon

Soil Composite P406018-01 (Solid)

	,	Reporting				i.			
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1423031	06/06/14	06/06/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1423031	06/06/14	06/06/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1423031	06/06/14	06/06/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	t	1423031	06/06/14	06/06/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1423031	06/06/14	06/06/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1423031	06/06/14	06/06/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1423031	06/06/14	06/06/14	EPA 8021B	
Surrogate: Bromochlorobenzene		103 %	80-	120	1423031	06/06/14	06/06/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		96,6 %	80-	120	1423031	06/06/14	06/06/14	EPA 8021B	
Nonhalogenated Organics by 8015							ere Cog		
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	i	1423031	06/06/14	06/06/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1423032	06/06/14	06/06/14	EPA 8015D	
Cation/Anion Analysis							<u> </u>		
Chloride	15500	99.0	mg/kg	10	1423036	06/06/14	06/06/14	EPA 300,0	





Project Name:

San Juan 32-9 #271

Source

%REC

PO Box 2200

Bartlesville OK, 74005

Project Number: Project Manager:

Reporting

92115-2576

Sheena Leon

Reported: 09-Jun-14 13:57

RPD

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1423031 - Purge and Trap EPA	5030A				26				.v. , 211 t	
Blank (1423031-BLK1)			1977 T	Prepared &	Analyzed	: 06-Jun-14				
Benzene	ND	0.05	mg/kg	**************************************	- Armene e selekin ozernin	•				
l'oluene	ND	0.05	11							
Ethylbenzene	ND	0.05	n							
o,m-Xylene	ND	0.05	*							
-Xylene	ND	0.05	•							
Total Xylenes	ND	0,05	n							
Total BTEX	ND	0.05	. •							
Surrogate: 1,3-Dichlorobenzene	49.3		ug/L	50,0		98:7	80-120			
Surrogate: Bromochlorobenzene	51:5		"	50.0		103	80-120			
Ouplicate (1423031-DUP1)	So	urce: P406018-	01	Prepared &	Analyzed	: 06-Jun-14				
Benzene	ND	0.05	mg/kg	/ •	ND			***************************************	30	
Toluene	ND	0.05	•		ND				30	
Ethylbenzene	ND	0.05	•		ND				30	
,m-Xylene	ND	0.05	•		ND				30	
-Xylene	ND	0.05	. •.		ND				30	
Surrogate: 1,3-Dichlorobenzene	48.8	na mandras e e e e e e e e e e e e e e e e e e e	ug/L	50,0		97.5	80-120	ing to the second second second second	***************************************	
urrogate: Bromachlorobenzene	51,5		•	50.0		103	80-120			
// Astrix Spike (1423031-MS1)	Sor	urce: P406018-	01	Prepared &	Analyzed	: 06-Jun-14				
Benzene	46,9		ug/L	50,0	ND	93,8	39-150			
Toluene	46,7			50.0	ND	93.5	46-148			
Ethylbenzene	46.8		п	50,0	ND	93.6	32-160			
,m-Xylene	93,8		•	100	ND	93.8	46-148			
-Xylene	47,3			50.0	ND	94.7	46-148			
Surrogate: 1,3-Dichlorobenzene	49.7			50,0		99.3	80-120		Andrew Committee of the	
urrogate: Bromochlorobenzene	52,4		- #	50.0		105	80-120			

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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





PO Box 2200

Project Name:

San Juan 32-9 #271

Bartlesville OK, 74005

Project Number:

92115-2576

Reported:

Project Manager:

Sheena Leon

09-Jun-14 13:57

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1423031 - Purge and Trap EP										
Blank (1423031-BLK1)				Prepared	& Analyzed:	06-Jun-14				. 1 12
Gasoline Range Organics (C6-C10)	ND	4,99	mg/kg	Brown will appeal to the		Million de la companya de la company	verranis ficinates proper communications			
Duplicate (1423031-DUP1)	Sou	rce: P406018-0)1	Prepared	& Analyzed:	06-Jun-14				
Gasoline Range Organics (C6-C10)	ND	4,99	mg/kg	to the second se	ND	***************************************	minora mejarah kacama	- Paris	30	proprios printerior (se babbie i consumetamen
Matrix Spike (1423031-MS1)	Soui	rce: P406018-0)1 .	Prepared	& Analyzed:	06-Jun-14				
Gasoline Range Organics (C6-C10)	0,44		mg/L	0,450	ND	96.7	75-125	***************************************		





PO Box 2200

Project Name:

San Juan 32-9 #271

Project Number:

92115-2576

Reported:

Bartlesville OK, 74005

Project Manager: Sheena Leon 09-Jun-14 13:57

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Result	%REC	%KEC Limits	RPD	KPD Limit	Notes
Batch 1423032 - DRO Extraction EPA	3550C	- :								
Blank (1423032-BLK1)	10					06-Jun-14			•	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg							
Duplicate (1423032-DUP1)	Sour	ce: P406018-0	01	Prepared &	Analyzed	06-Jun-14				
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg		ND				30	
Matrix Spike (1423032-MSI)	Sour	Source: P406018-01			Analyzed:	06-Jun-14				
Diesel Range Organics (C10-C28)	217		mg/L	250	21,4	78.1	75-125			





PO Box 2200

Bartlesville OK, 74005

Project Name:

San Juan 32-9 #271

Project Number: Project Manager: 92115-2576

Sheena Leon

Reported: 09-Jun-14 13:57

Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1423036 - Anion Extraction EPA 300.0						- yer wa				,
Blank (1423036-BLK1)				Prepared &	À Analyzed	06-Jun-14				
Chloride	ND	9,96	mg/kg					, , , , , , , , , , , , , , , , , , , ,		
LCS (1423036-BS1)				Prepared &	& Analyzed	06-Jun-14	125.4			
Chloride	520	9,92	mg/kg	496	**************************************	105	90-110			And the second s
Matrix Spike (1423036-MS1)	Sour	ce: P406018-	01	Prepared &	& Analyzed	: 06-Jun-14				
Chloride	13100	99.7	mg/kg	499	15500	NR	80-120		<u> </u>	SPK1
Matrix Spike Dup (1423036-MSD1)	Sour	ce: P406018-	01	Prepared &	& Analyzed	: 06-Jun-14				
Chloride	11000	99.7	mg/kg	499	15500	NR	80-120	17.3	20	SPKI



Project Name:

San Juan 32-9 #271

PO Box 2200

Project Number:

Reported:

Bartlesville OK, 74005

Project Manager.

92115-2576 Sheena Leon

09-Jun-14 13:57

Notes and Definitions

SPKI

The spike recovery for this QC sample is outside of control limits.

DET

Analyte DETECTED

ND

Analyte NOT DETECTED at or above the reporting limit

NR

Not Reported

dry

Sample results reported on a dry weight basis

RPD

Relative Percent Difference

17047

CHAIN OF CUSTODY RECORD

client: COPC (hBr	2-1] [.						A	NALY	/SIS	/ PAF	RAME	ETER	ıs							
Email results to S. LW	, W	Sar	mpler Name:	W					d 8021)	8260)	<u>8</u>	_		0	-						
Client Phone No.:	· · · · · · · · · · · · · · · · · · ·	Clie	ent No.: O	115-2576				TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P	CO Table 910-1	TPH (418.1)	RIDE			Sample Cool	Sample Intact
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Pr HNO ₃	eserval HCI	ive Cool	трн (втех	voc	RCRA	Cation	ည္	TCLP	CO Ta	ТРН (CHLORIDE			Sampl	Samp
Soulimposite	45/14	11:30	P406018-01	1-402glassyair	-		X	Χ	K								X			Y	X
							_											+			
Polinguished by (Cinnetur-				Date Time	Deca:	الدود	(6)												Date		me
	ena	Jeso		WS1414:40	<u>ب</u>	M	y: (Si	a	M	X	M								VISI		ime :40
Relinquished by: (Signature)	0				Recei	ved b	y: (Si	gnati	ure)	<u>U</u>											
Sample Matrix Soil X Solid Sludge	Aqueous 🗌	Other 🔲																			
Sample(s) dropped off after	١			envi	ytico	ıl La	boro	atory	y			•	7.3								