District 1 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 Revised August 8, 2011
Submit 1 Copy to appropriate District Office to

Form C-141

Submit I 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 Tafova Address 3401 East 30<sup>th</sup> St, Farmington, NM Telephone No.(505) 326-9837 Facility Name: San Juan 32-9 Unit 14C Facility Type: 30-045-30112 Surface Owner BLM Mineral Owner BLM (SF-080376) API No.30-045-30112 LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County J 31N 9W 1815 South 1525 East San Juan Latitude 36.91027 Longitude 107.78133 NATURE OF RELEASE Type of Release Produced Water/Oil Volume of Release Volume Recovered 2bbls/1.5bbls 3bbls/2bbls Source of Release **Production Pit** Date and Hour of Occurrence Date and Hour of Discovery Unknown August 26, 2013 at 1:25PM Was Immediate Notice Given? If YES, To Whom? Yes No Not Required By Whom? Date and Hour RCVD NOV 6'13 If YES, Volume Impacting the Watercourse. Was a Watercourse Reached? ☐ Yes ☒ No If a Watercourse was Impacted, Describe Fully.\* N/A Describe Cause of Problem and Remedial Action Taken.\* 92bbl production pit overflowed allowing 3bbls of produced water and 2bbls of oil to release into the containment. The well was immediately shut-in and a water truck called to location was able to recover 2bbls produced water and 1.5bbls oil. The release did not leave containment. Describe Area Affected and Cleanup Action Taken.\* NMOCD action levels for releases are specified in NMOCD's Guidelines for Leaks, Spills and Releases and the release was assigned a ranking score of 20. An excavation 40' x 15' x 2' and 45 cubic yards of soil was transported to a third party landfarm. Excavation and confirmation sampling occurred. Analytical results for TPH, BTEX and Chlorides were below the regulatory standards set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Release; therefore no further action is required. The final report is attached for review 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. OIL CONSERVATION DIVISION Signature: Approved by Environmental Specialist: Printed Name: Crystal Tafoya **Expiration Date:** Approval Date: Title: Field Environmental Specialist E-mail Address: crystal.tafoya@conocophillips.com Conditions of Approval: Attached Date: 11/4/2013 Phone: (505) 326-9837

## SPILL ASSESSMENT AND CONFIRMATION SAMPLING REPORT

RCVD NOV 6 '13 OIL CONS. DIV.

LOCATION:
CONOCOPHILLIPS
SAN JUAN 32-9 #14C (HBR)
SECTION 9, TOWNSHIP 31 NORTH, RANGE 9 WEST
SAN JUAN COUNTY, NEW MEXICO

CONTRACTED BY:
CONOCOPHILLIPS
MS. CRYSTAL TAFOYA
3401 EAST 30<sup>TH</sup> STREET
FARMINGTON, NEW MEXICO 87402



PROJECT NUMBER 92115-2484 AUGUST 2013

# CONOCOPHILLIPS SPILL ASSESSMENT AND CONFIRMATION SAMPLING REPORT SAN JUAN 32-9 #14C (HBR) WELL SITE SECTION 9, TOWNSHIP 31 NORTH, RANGE 9 WEST SAN JUAN COUNTY, NEW MEXICO

#### TABLE OF CONTENTS

INTRODUC	TION	
ACTIVITIE	S PERFORMED	
SUMMARY	AND CONCLUSIONS	
STATEMEN	T OF LIMITATIONS	***************************************
-		•
Figures:	Figure 1, Vicinity Map Figure 2, Spill Assessment Map	
	Figure 3, Confirmation Sampling Map	
Tables:	Table 1, Summary of Analytical Results	
Appendices:	Appendix A, Analytical Results Appendix B, Field Notes	

ConocoPhillips
Spill Assessment and Confirmation Sampling Report
San Juan 32-9 14C (hBr)
Project Number 92115-2484
August 2013
Page 1

#### **Introduction**

Envirotech, Inc. of Farmington, New Mexico, was contracted by ConocoPhillips to provide spill assessment and confirmation sampling activities due to a spill of approximately five (5) barrels (BBL) of produced water and used lube oil at the San Juan 32-9 14C (hBr) well site located in Section 9, Township 31 North, Range 9 West, San Juan County, New Mexico; see *Figure 1*, *Vicinity Map*. The release covered an area of approximately 45 feet by 10 feet by six (6) inches deep and was excavated to the extents of 40 feet by 15 feet by two (2) feet deep; see *Figure 2*, *Spill Assessment Map*, *Figure 3*, *Confirmation Sampling Map* and *Appendix B*, *Field Notes*. Activities included sample collection and analysis, documentation and reporting.

#### **ACTIVITIES PERFORMED**

Envirotech, Inc. was contacted on August 29, 2013, with a request to respond to a release from an above-ground storage tank (AST) that occurred at the above referenced location. Upon arrival, a brief site assessment was conducted. Depth to groundwater was greater than 100 feet, the nearest surface water was less than 200 feet, and the release area was not located within a wellhead protection area. Therefore, 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.

A total of four (4) samples were collected from within the release area; one (1) surface composite sample, one (1) sample at six (6) inches below ground surface (BGS), one (1) sample at two (2) feet BGS, and one (1) sample at five (5) feet BGS. All samples were analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a photoionization detector (PID). Additionally, the surface composite sample was screened in the field for chlorides. All sample test results were above regulatory standards for TPH, but below the standards for organic vapors. The chloride results on the surface composite sample was 195 mg/L; see *Table 1*, *Summary of Analytical Results*, *Appendix A*, *Analytical Results* and *Appendix B*, *Field Notes*. The area of release was estimated to be approximately 45 feet by 10 feet by six (6) inches deep.

Envirotech personnel returned to the site on September 6, 2013, for confirmation sampling activities. Prior to arrival, the spill area had been excavated to the extents of approximately 40 feet by 15 feet by two (2) feet deep. During the assessment of the excavation a leak from the valve was observed. A sample was colledted from the saturated area and was analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a PID. The sample returned results of non-detect (ND). Six (6) composite samples were collected from the excavation area; one from the Bottom West, one (1) from the Bottom East and one (1) each from the four (4) walls of the excavated area. All samples were analyzed in the field for TPH using USEPA Method 418.1 and for organic vapors using a PID. All six (6) samples returned results below regulatory standard for organic vapors. Five (5) of the seven (6) samples analyzed for

ConocoPhillips
Spill Assessment and Confirmation Sampling Report
San Juan 32-9 14C (hBr)
Project Number 92115-2484
August 2013
Page 2

TPH returned results at or above regulatory standard; the Bottom West, the Bottom East, the North Wall, the South Wall and the West Wall; see enclosed see *Table 1, Summary of Analytical Results*, *Appendix A, Analytical Results* and *Appendix B, Field Notes*. These five (5) samples were placed in 4-ounce jars, 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. All samples resulted in non-detect (ND) for TPH; see *Table 1, Summary of Analytical Results* and *Appendix A, Analytical Results*.

#### **SUMMARY AND CONCLUSIONS**

Spill assessment and confirmation activities were performed for a release of approximately five (5) BBL of produced water and used lube oil at the San Juan 32-9 14C (hBr) well site located in Section 9, Township 31 North, Range 9 West, San Juan County, New Mexico. Envirotech, Inc. recommends the repair of the leaking AST.

#### STATEMENT OF LIMITATIONS

Envirotech, Inc. has completed spill assessment activities at the San Juan 32-9 14C (hBr) well site located in Section 9, Township 31 North, Range 9 West, San Juan County, New Mexico. The work and services provided by Envirotech, Inc. were in accordance with the New Mexico Oil Conservation Division (NMOCD) standards. All observations and conclusions provided here are based on the information and current site conditions found at the site of the incident.

The undersigned has conducted this service at the above referenced site; this work has been conducted and reported in accordance with generally accepted professional practices in geology, engineering, environmental chemistry and hydrogeology.

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,

Reviewed by:

ENVIROTECH, INC.

Isaac Garcia

Environmental Field Technician

igarcia@envirotech-inc.com

Greg Crabtree, PE

Environmental Manager

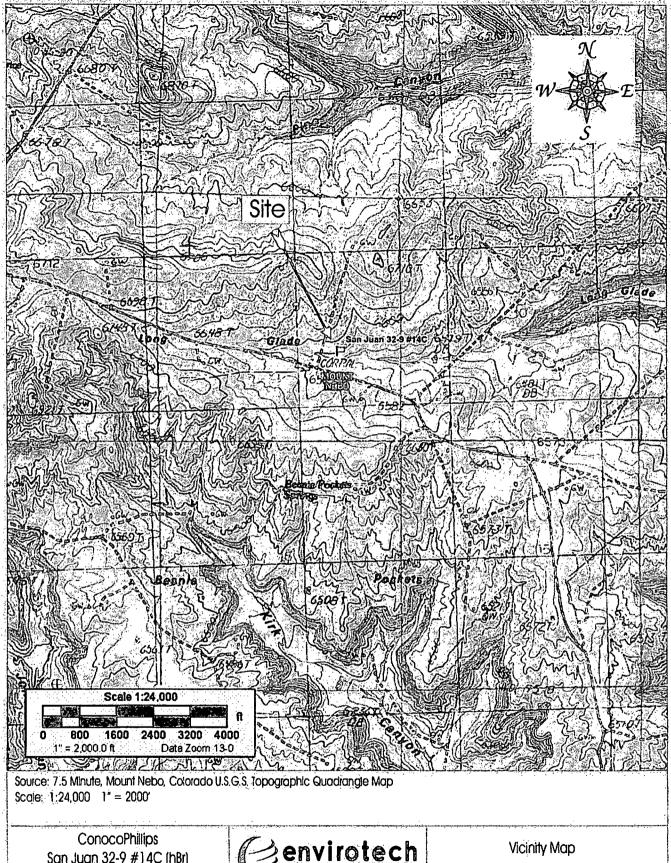
gcrabtree@envirotech-inc.com

#### **FIGURES**

Figure 1, Vicinity Map

Figure 2, Spill Assessment Map

Figure 3, Confirmation Sampling Map



San Juan 32-9 #14C (hBr) Section 9, Township 31N, Range 9W San Juan, Colorado

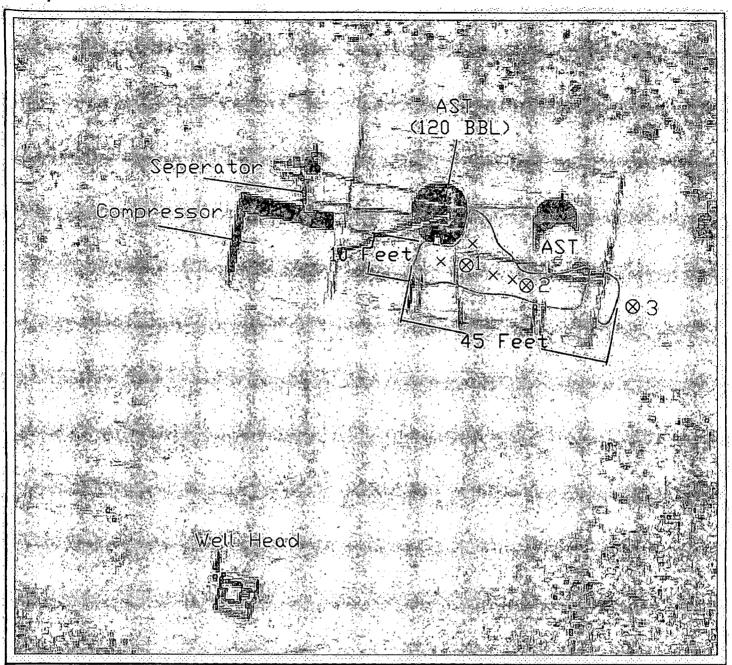
PROJECT Number, 921 15-2484 Date Drawn: 10/18/13

envirotech ENVIRONMENTAL SCIENTISTE ENCEMERS

5796 U.S. HIGHWAY 64 Farmington, New Mexico 87401 505,632,0615

Figure #1

DRAWN BY: Tiffany McIntosh PROJECT MANAGER: Greg Crabtree



### LEGEND

Composite Sample Surface

TPH: 22,100 ppm

Organic Vapor: 10.3 ppm

Depth Samples

Sample 1: 2' BGS

TPH: 152 ppm; OV: 0.0 ppm

Sample 2: 6" BGS

TPH: 120 ppm; OV: 0.0 ppm

Sample 3: 5' BGS

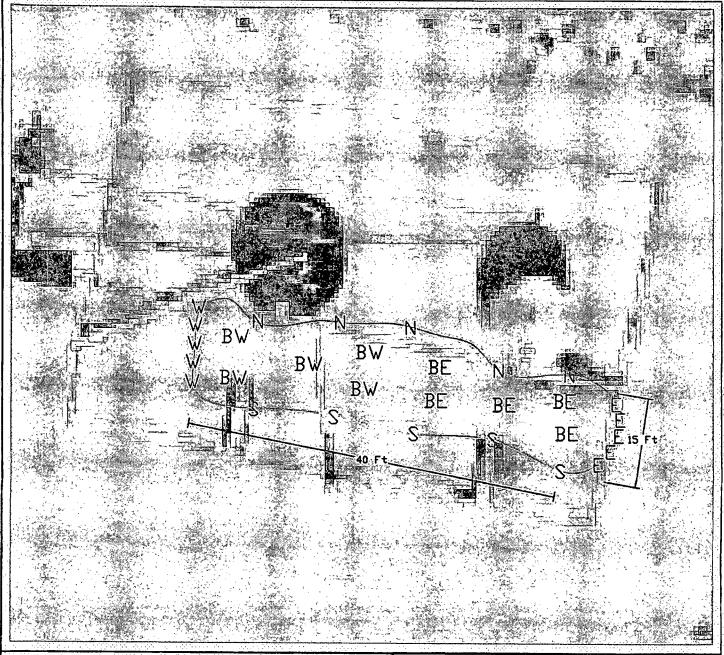
TPH: 324 ppm; 0.0 ppm

### SITE ASSESSMENT MAP CONOCOPHILLIPS

SAN JUAN 32-9 #14C (hBr)
SECTION 9, TOWNSHIP 31N, RANGE 9W
SAN JUAN COUNTY, NEW MEXICO

## ENVIROTECH

5796 U.S. HIGHWAY 64, FARMINGTON, NM 87410 505-632-0615



### -GEN

Composite Bottom BW, BE Samples

Composite Wall Samples W,N,E,S

> Excavated Area (40'x15'x2' Deep)

# CONFIRMATION SAMPLING MAP CONOCOPHILLIPS SAN JUAN 32-9 #14C (hBr) SECTION 9, TOWNSHIP 31N, RANGE 9W SAN JUAN COUNTY, NEW MEXICO

SCA	LE: N	rs	FIGURE NO. 7	7
PRO	JECT NO	092115-2	FIGURE NO. 3	e e Territoria Jacobia
13 mm 13 14 mm 13			REVISIONS	
		1 11 2		(.)
NO.	DATE	BY	DESCRIPTION	
MAF	DRWN	TM	8/29/2013 BASE DRWN	dei
	7.00			

5796 U.S. HIGHWAY 64, FARMINGTON, NM 87410 505-632-0615

#### **TABLES**

Table 1, Summary of Analytical Results

#### **Table 1, Summary of Analytical Results**

ConocoPhillips
San Juan 32-9 #14C (hBr)
Spill Assessment and Closure Report
Project Number 92115-2484

Date	Sample Description	Sample Number	PID OV (ppm)	418.1 TPH (ppm)	Chlorides (ppm)	Method 8015 TPH (ppm)
NA	New Mexico Oil Conservation Division Standards	NA	100	100	NA .	:100
8/29/2013	Soil 6" BGS	e zina <b>l</b> állaz	ND	120	NS	NS
8/29/2013	Soil 2' BGS	2	ND	152	NS	NS
8/29/2013	Soil 5' BGS	90 - 3 s	ND	324	NS	NS
8/29/2013	Surface Comp.	4	10.3	22000	195	NS
9/6/2013	Bottom West Composite		*** <u>\$</u> 1.8	124	ND	ND 35
9/6/2013	Bottom East Composite	2 2	2.2	192	₹ ND	ND 🧀
9/6/2013	North Wall Composite	3.		100	ND .	ND:
9/6/2013	South Wall Composite	4 *	( 2.1 <sub>2</sub> )	[[ <b>] [112</b> ] (112]	ND :	ND 🦪
9/6/2013	West Wall Composite		2:1		ND	ND Y
9/6/2013	East Wall Composite	. 6	1.8	. \$2 <b>92</b>	NS	NS.
. 9/6/2013	Visible Leak by AST	7	<b>2.5</b>	96	NS	NS .

\*Values in BOLD above regulatory limits
\*Closure Sample.

\*NS - Parameter not sampled \*ND - Parameter not detected

#### APPENDIX A

**Analytical Results** 



Client:

ConocoPhillips

4

Sample No.: Sample ID:

6" BGS

Sample Matrix:

Soil

Preservative:

Cool

Condition:

Cool and Intact

Project #:

92115-2484

Date Reported: Date Sampled:

8/30/2013 8/29/2013

Date Analyzed:

8/29/2013

Analysis Needed:

TPH-418.1

The first of the control of the cont		31/11/11/11/11 1 1 1 1 1 1 1 1 1 1 1 1 1	
		Christian bulletin artis	Det
	generally the first of the first of the control of		
I sent all present the contract of the contrac	Concentration	in that the second of the second	i imit
	- Concontitution	SAND BOTTOM TO THE SALES	
		alanggala langgala kabalan	
i Parameter	(ma/ka)		(malka)
		lan dawaran latuk uwa kila uniasi ki	(1119/09)

**Total Petroleum Hydrocarbons** 

120

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 # 14C

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

Analyst

Toni McKnight, EIT

**Printed** 

I ICVICW

Felipe Aragon



Client:

ConocoPhillips

Cool and Intact

Sample No.:

Sample ID:

2' BGS

Sample Matrix:

Soil Cool

Preservative:

Condition:

Project #:

92115-2484

Date Reported:

8/30/2013

Date Sampled:

8/29/2013

Date Analyzed:

8/29/2013

Analysis Needed:

**TPH-418.1** 

																									r							
				e																												
				₹.																												

Det. Limit (mg/kg)

**Total Petroleum Hydrocarbons** 

152

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 # 14C

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

Toni McKnight, EIT

Printed

Felipe Aragon



Client:

ConocoPhillips

92115-2484

Sample No.:

3

Date Reported:

Project #:

8/30/2013

Sample ID:

5' BGS

Date Sampled:

Analysis Needed:

8/29/2013

Sample Matrix:

Soil Cool Date Analyzed:

8/29/2013 TPH-418.1

Preservative: Condition:

Cool and Intact

	 <u> </u>		1. 1. 1. 1. 1.	Action of the second
			eria da espera de la composição de la comp	Det in the contract of the con
Haritan i dei dei		Concentration	및 속이상하는 사이에 가장	Limit
1.00.07	opara 44		₩waana Hawa e tu	
Dorometer		(ma/ka)	기가 가는 사위도 하다.	(man/leas)
raiameter		(ilig/kg)		(mg/kg)

**Total Petroleum Hydrocarbons** 

324

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 # 14C

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

Analyst

Review

Toni McKnight, EIT

**Printed** 

Felipe Aragon Printed

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





Client:

ConocoPhillips

Sample No.: Sample ID:

Surface Comp.

Cool and Intact

Sample Matrix:

Soil Cool

Preservative:

Condition:

92115-2484

Date Reported:

8/30/2013

Date Sampled:

Project #:

8/29/2013

Date Analyzed:

8/29/2013

Analysis Needed:

TPH-418.1

			and the second s
	** * * * * * * * * * * * * * * * * * *		
<ul> <li>In all falls for a first property of the control of t</li></ul>		egikan kalunda lahir digigah bigigan kebagai diban kepadah bahada bahadah digigahan kebadian kebadian digigah d	
			il right   POT interior in
■ 14 G G G G G M 14 G G G G G G G G G G G G G G G G G G		anti, kin in kikati ilatikannin noona, aan in alaa alaa ila ahaa k	
		Parker fair in the adales are an art for the area on the fair that the control of	-1 5.1 389 11 4. 7
	8 duain 1966 an Frantis (San International Contraction of the Contract		
<ul> <li>If the definition of the above the second of the second of</li></ul>			fi land in
<ul> <li>I a de la lace de lace de la lace de lace de lace de lace de la lace de lace de la lace de la lace de la lace de la lace de lace</li></ul>	LONCE	niration	
<ul> <li>Bosed Children Control and the control of the control</li></ul>			ingligation (Company of the Company
<ul> <li>If I describe the content of the conte</li></ul>	and the contract of the contract of		
■ 122 Procedura NAC SAMA SAMA SAMA SAMA SAMA SAMA SAMA SA	5 ( 141		<ul> <li>function of a transfer at the first transfer</li> </ul>
Doromotor	ni a Maria Maria and Alia Maria	n // \	//1\
		7/8(01)	TIMOVKOI I
	an an an an angana an ilini nana an a 🕻 🕶 💆		(1119)169)

**Total Petroleum Hydrocarbons** 

22,200

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 # 14C

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

Analyst

Toni McKnight, EIT

Printed

Felipe Aragon



# CONTINUOUS CALIBRATION EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Ca	<b>-</b>	
	112	170

29-Aug-13

Paramet	Concentration	Concentration Reading mg/L	
ТРН	100 200 500	202	
	1000		

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

Tom Mclingth	8/30/2013
Analyst	Date
Toni McKnight, EIT Print Name	•
MA	8/30/2013
Review	Date

Felipe Aragon

**Print Name** 

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





Client:

Sample No.:

Sample ID:

Sample Matrix:

Preservative:

Condition:

ConocoPhillips

**Bottom West Composite** 

Soil

Cool

Cool and Intact

Project #:

92115-2484

Date Reported: Date Sampled:

10/17/2013 9/6/2013

Date Analyzed:

9/6/2013

Analysis Needed: TPH-418.1

_															_																						
-1		0000				· .							- 77	4 4 4 5											7.7	7. 1		<del></del>									
- 1	200					1.7	, 14 (2)	· · · · · .	;	· · · · ·	1.0											·, *• •		* :	• • • • • • • • • • • • • • • • • • • •		100	31 B	-71				п	~*	10	2.0	- Marie 1
		. Aren			- 1		1.0			·	ir		. 1		100	• • •						- :	2 B		1		- 1		· `	• • • • • • • •	• :		$\boldsymbol{\nu}$	eı.	100	- 1-1-1	
- 1					· :	. e		20 E	· * ::	A 244	0 to 1	٠.,				200			100	24.	Contract	5 P.	na ir	400		• • : 1					200		4.00	·	en e		4.15
	10 miles					A 15		100	`	क्षता	. O.	,-;-		s e S		~	~~				افن		200		. : 50			100	·	100	dia.	1.4	n 9.			15, 16,	فيد فامين
		1 1 1 1 1							1.00		200	200					וט	ICE	21	ш	au	Of	1	. in			1,200	1.	3. 1	10.00			LI	mı	₹ .	. 11	11.15
- 1	·	v.: -64					· · ·			in in	15.0	40	· 13.		9.00		7		7.75				T 1		100		. 1,. 1		· 'N' .					••••	•	1	100
- 10	n						1			23.5		100		٠					* . 3						1. 11.	e iniciali		1.5	14.0		40.0			-			
- 11	ra	an	ıeı	er	i di		٠.	. 10	33.				100				. (	ım	<b>C</b>	u	<b>11</b> .	aa Si		15.1	. 1911		100	. '		23.3		. I m	nc	i/k	~ )	. T	
L					<u> </u>		5/5		<u> </u>	94.	400	*, *		` <u></u>			- 1		Э,		"	er e	÷						. :::-		1431 L	v	""	yκ	31	100	
	77 -	٠.,			1. 7.	-							7 - 1				_				_								_	_			_			_	

**Total Petroleum Hydrocarbons** 

124

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 # 14C

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

Isaac Garcia

**Printed** 

Review

Toni McKnight, EIT



Client:

ConocoPhillips

**Bottom East Composite** 

Sample Matrix:

Preservative:

Sample No.:

Sample ID:

Soil Cool

Cool and Intact

Condition:

Project #:

Date Reported:

92115-2484

10/17/2013

Date Sampled:

9/6/2013

Date Analyzed: Analysis Needed: 9/6/2013 TPH-418.1

			and the first of the second of the second	
	ogrado propincial qui escribi il libri.	aligija a alikariti pravivni pir	a likiwa ki kutu tahinika ali tutu tu	AND
				Det.
			i kang lian kang katang Mis	
		oncentration	er elikulu eteli difikitela	l imit
		mcennanon -		LIIIII
			BOMBLE CONTRACTOR OF A SECTION OF	
Parameter	圆锤 医阿姆德氏色 化二酚甲醇	(ma/ka)	. David Sarisate w III. A. I	(ma/ka)
	grader ga tetertratuata eta .	('''9''N9'	ka hadisibalia likibilada dikira hara .	(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 32-9 # 14C

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

Isaac Garcia

**Pnnted** 

Review

Toni McKnight, EIT





Client:

ConocoPhillips

Sample No.:

Sample ID:

Sample Matrix: Preservative:

Condition:

North Wall Composite

Soil

Cool

Cool and Intact

Project #:

92115-2484

Date Reported:

10/17/2013

Date Sampled: Date Analyzed:

9/6/2013

Analysis Needed:

9/6/2013 TPH-418.1

· ■ 한번 환경 (NAM) - 그러지 않는데 어디에서 그 그리고 다른데 되었다.		i de la companya di la
	the filterature that the control of	
. High 1996 the artist of the	and the state of the control of the state of the control of the co	
o ∰ 1999. Patrick in North Carter and the Company of the Carter and the Carter a	at the first activation of the first and the first activation of the activation of the activation of the activation of	ing professional and the control of
		THE EXPLOSION OF THE PROPERTY
	Canaantratian	리트라는 그런 그는 사고가 라는가 주었다. 다른 그들은 그런 그림은 美國主義 養養養 著書 그는 것으로 그리고 다른
	CUMEMIANU	- Paramater (1997年 - Paramater (19
- 1 00000 or an inverse in the second of th		(2) A. Alleria and A. A. A. A. A. A. A. A. T. C. T.
	ing in the first of the control of t	
Paramakan in the second of the	- 5 1 N 2 - 5 - 5 - 5 - 5 - 5 - 5 - 6 <b>/</b>	- N. L. C., C. C. C. C. B. C. H. C. (2002) A. M. L. N. G. (2011)
I Parameter	- ind/ka)	
II didilicio.	IIIWKY	THU/RUISING

**Total Petroleum Hydrocarbons** 

100

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 # 14C

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

Analyst

Isaac Garcia

**Printed** 

Toni McKnight, EIT



Client:

ConocoPhillips

Sample No.: Sample ID:

Sample Matrix:

Preservative:

Condition:

South Wall Composite

Soil

Cool

Cool and Intact

Project #:

92115-2484

Date Reported:

10/17/2013

Date Sampled:

9/6/2013

Date Analyzed: Analysis Needed: 9/6/2013

TPH-418.1

	A 40 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<u> </u>	the state of the s	American Company of the Company of t
140 libra de recepciones en como abor en las procesas com las como astro		START FOR A STAR		
				111261
[Refer 10] 그 4시 이 1세 시 [Let 4~10 14 15:14] - ELET 10 ELE	Concer	itration	ithi nin a Baas i i nin be ee in	Limit
B460 a.u 40a 40 11k - 11t - 11980a. 11.141. a.u.				
	4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -	10	in in the Substantial and in personal 😼	Control of the Allerday Control
i Parameter di	(ma	/Ka)	Alika Madakasa wasa 🛈	ma/ka)
The state of the s	(***3	<b>~~3</b> )		331
		**** ** *** * * * * * * * * * * * * * *	a to the second of the first and the second	41 111 111 11

**Total Petroleum Hydrocarbons** 

112

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 # 14C

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

Isaac Garcia

**Printed** 

Review

Toni McKnight, EIT



Client:

ConocoPhillips

West Wall Composite

Sample Matrix: Preservative:

Sample No.:

Sample ID:

Soil

Condition:

Cool

Cool and Intact

Project #:

92115-2484

Date Reported:

10/17/2013

Date Sampled:

9/6/2013

Date Analyzed:

9/6/2013

Analysis Needed:

TPH-418.1

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

**Total Petroleum Hydrocarbons** 

116

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:

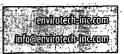
San Juan 32-9 # 14C

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

Isaac Garcia

Printed

Toni McKnight, EIT





Client:

ConocoPhillips

Project #:

92115-2484

Sample No.:

6

Date Reported:

10/17/2013

Sample ID:

East Wall Composite

Date Sampled:

9/6/2013

Sample Matrix:

Soil Cool Date Analyzed:

9/6/2013

Preservative: Condition:

Cool and Intact

Analysis Needed: TPH-418.1

. 20.00			2011-4		•		***	1 11	1.2	4.0									*									• • •		**	7.1
					***************************************	_				_	_		_								~								_	-	~
1,1,1		· · · · · · · · · · · · · · · · · · ·				****	• • • • • • • • • • • • • • • • • • • •							100																	٠.٠.
	*.*.*.																											•			
4 1 1 1 1 1							. ' '. '					· · ·								100			- 1	*****							
		100 m 1400 m						٠				* . * . * .		٠.		•.					21.0			* *		·		•••			
		4 5 6 6 6 6 6 7																													
3						* * *							٠.								· · ·									.,	
											_				1 -1-1-			1000				. *						· • •			
	*** **	1 1 1 1 1 1 1 1	• •								~				ati	<b>–</b>											in				
												1111	-0		-24 11	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,													•		
				·					1 17 72	* * . *	$\sim$	,,,,			au	vı			· .		1						-				
- 10 At 15	1.00																F :											3.4	•		100
									· · · ·									- '-											,		
	**********						N																						•		
10				12 . 121	14 4 4 4 4 4		1.1							. /1.	- 1								•			/		-			
IVSE	ame	TOT .			*. * * * * *						*	4	no	9 / K	<b>~</b> 1 • •		<i></i>				· • • • •					10	nn,	KO			
11 (41)	ame	LOI							·	· · · · · ·				υn	ч,			1000	``````	* *	·		100		· · · · · · · · · · · · · · · · · · ·	111		1.4			
			V 1.5 1.5							-,				,	J,											1					
							_			_		_	_		_	_		_		_	-	-		_	-	-	_			_	_

**Total Petroleum Hydrocarbons** 

92

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 # 14C

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

Analyst

Review

Isaac Garcia

**Printed** 

Toni McKnight, EIT



#### **CONTINUOUS CALIBRATION EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS**

$\sim$	Date
	11216

6-Sep-13

Parame	Standard Concentration ter mg/L	Concentration Reading mg/L
ТРН	100 200	200
	500 1000	200

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

812	Les
Analyst	

10/17/2013

Date

Isaac Garcia

**Print Name** 

Review

10/17/2013

Date

Toni McKnight, EIT

Print Name



#### **Analytical Report**

#### **Report Summary**

Client: ConocoPhillips

Chain Of Custody Number: 16059

Samples Received: 9/6/2013 2:35:00PM

Job Number: 92115-2484

Work Order: P309039

Project Name/Location: San Juan 32-9 #14C

Date:

9/17/13

Entire Report Reviewed By:

Tim Cain, Laboratory Manager

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.



PO Box 2200 Bartlesville OK, 74005 Project Name:

San Juan 32-9 #14C

Project Number: Project Manager: 92115-2484 Isaac Garcia Reported: 17-Sep-13 16:58

#### **Analyical Report for Samples**

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BEC	P309039-01A	Soil	09/06/13	09/06/13	Glass Jar, 4 oz.
BWC	P309039-02A	Soil	09/06/13	09/06/13	Glass Jar, 4 oz.
WWC	P309039-03A	Soil	09/06/13	09/06/13	Glass Jar, 4 oz.
SWC	P309039-04A	Soil	09/06/13	09/06/13	Glass Jar, 4 oz.
NWC	P309039-05A	Soil	09/06/13	09/06/13	Glass Jar, 4 oz.





PO Box 2200

Bartlesville OK, 74005

Project Name:

San Juan 32-9 #14C

Project Number: Project Manager: 92115-2484

Isaac Garcia

Reported: 17-Sep-13 16:58

#### BEC

#### P309039-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method Notes
Nonhalogenated Organics by 8015		·						
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	0,999	1338001	16-Sep-13	16-Sep-13	EPA 8015D
Diesel Range Organics (C10-C28)	ND	5:00	mg/kg	0.999	1338001	16-Sep-13	16-Sep-13	EPA 8015D
GRO and DRO Combined Fractions	ND	5.00	mg/kg	0.999	1338001	16-Sep-13	16-Sep-13	EPA 8015D
Cation/Anion Analysis							Name and the second	<u> </u>
Chloride	ND	9.97	mg/kg	9,970	1338003	16-Sep-13	16-Sep-13	EPA 300,0





PO Box 2200

Bartlesville OK, 74005

Project Name:

San Juan 32-9 #14C

Project Number: Project Manager: 92115-2484

Isaac Garcia

Reported: 17-Sep-13 16:58

#### **BWC**

#### P309039-02 (Solid)

	R	eporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015								<u> </u>	
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	0.998	1338001	16-Sep-13	16-Sep-13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	4.99	mg/kg	0.998	1338001	16-Sep-13	16-Sep-13	EPA 8015D	
GRO and DRO Combined Fractions	ND	4.99	mg/kg	0.998	1338001	16-Sep-13	16-Sep-13	EPA 8015D	
Cation/Anion Analysis	·						e men en ge	<u>, , , , , , , , , , , , , , , , , , , </u>	<u> </u>
Chloride	ND	9.91	mg/kg	9.911	1338003	16-Sep-13	16-Sep-13	EPA 300.0	





PO Box 2200

Bartlesville OK, 74005

Project Name:

San Juan 32-9 #14C

Project Number: Project Manager: 92115-2484 Isaac Garcia Reported: 17-Sep-13 16:58

#### **WWC**

#### P309039-03 (Solid)

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015	* ****** ***** ** ** ** **			<u> </u>				· · · · · · · · · · · · · · · · · · ·	
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1.000	1338001	16-Sep-13	16-Sep-13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	5.00	mg/kg	1.000	1338001	16-Sep-13	16-Sep-13	EPA 8015D	
GRO and DRO Combined Fractions	ND	5.00	mg/kg	1,000	1338001	16-Sep-13	16-Sep-13	EPA 8015D	
Cation/Anion Analysis			<u> </u>						<u>,</u>
Chloride	ND	9.95	mg/kg	9,950	1338003	16-Sep-13	16-Sep-13	EPA 300,0	





Project Name:

San Juan 32-9 #14C

PO Box 2200

Project Number:

92115-2484

Reported:

Bartlesville OK, 74005

Project Manager: Isaac Garcia

17-Sep-13 16:58

#### SWC

#### P309039-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method N	lotes
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	0.999	1338001	16-Sep-13	16-Sep-13	EPA 8015D	•
Diesel Range Organics (C10-C28)	ND	5.00	mg/kg	0.999	1338001	16-Sep-13	16-Sep-13	EPA 8015D	
GRO and DRO Combined Fractions	ND	5.00	mg/kg	0.999	1338001	16-Sep-13	16-Sep-13	EPA 8015D	
Cation/Anion Analysis							<del></del>		<u></u> .
Chloride	ND	9.99	mg/kg	9.990	1338003	16 <sub>5</sub> Sep-13	16-Sep-13	EPA 300.0	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, line

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

San Juan 32-9 #14C Project Name:

Project Number: Project Manager: Bartlesville OK, 74005

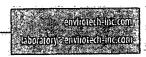
92115-2484 Isaac Garcia

Reported: 17-Sep-13 16:58

#### **NWC**

#### P309039-05 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Nonhalogenated Organics by 8015			. 145						
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	0.999	1338001	16-Sep-13	16-Sep-13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	4.99	mg/kg	0.999	1338001	16-Sep-13	16-Sep-13	EPA 8015D	
GRO and DRO Combined Fractions	ND	4.99	mg/kg	0.999	1338001	16-Sep-13	16-Sep-13	EPA 8015D	
Cation/Anion Analysis					-:			····	
Chloride	ND	9.96	mg/kg	9.960	1338003	16-Sep-13	16-Sep-13	EPA 300,0	* * * * * * * * * * * * * * * * * * * *





ConocoPhillips
PO Box 2200

Bartlesville OK, 74005

Project Name:

Project Manager:

San Juan 32-9 #14C

Project Number:

92115-2484 Isaac Garcia Reported:

17-Sep-13 16:58

#### Nonhalogenated Organics by 8015 - Quality Control

#### **Envirotech Analytical Laboratory**

LEDA SEERC							
EPA 3550C		150	Prepared &	Analyzed:	16-Sep-13	<del></del>	
ND	4.99	mg/kg				· · · · · · · · · · · · · · · · · · ·	
ND	4.99	•					
ND	4.99	*					
Sourc	e: P309039-	01	Prepared &	Analyzed:	16-Sep-13		·
ND	5.00	mg/kg		ND			30
ND	5.00			ND			30
Source	Source: P309039-01				16-Sep-13		
Source							
268	5.26	mg/kg	263	ND	102	75-125	
	ND ND ND Source ND ND	ND 4.99 ND 4.99 ND 4.99 ND 5.00 ND 5.00	ND 4.99 mg/kg ND 4.99 " ND 4.99 " Source: P309039-01 ND 5.00 mg/kg ND 5.00 "	Prepared &  ND 4.99 mg/kg  ND 4.99 "  ND 4.99 "  Source: P309039-01 Prepared &  ND 5.00 mg/kg  ND 5.00 "	Prepared & Analyzed:   ND	Prepared & Analyzed; 16-Sep-13  ND 4.99 mg/kg  ND 4.99 "  ND 4.99 "  Source: P309039-01 Prepared & Analyzed: 16-Sep-13  ND 5.00 mg/kg ND  ND 5.00 m ND	Prepared & Analyzed: 16-Sep-13  ND





ConocoPhillips
PO Box 2200

Bartlesville OK, 74005

Project Name:

San Juan 32-9 #14C

Project Number: Project Manager: 92115-2484

Isaac Garcia

Reported: 17-Sep-13 16:58

#### Cation/Anion Analysis - Quality Control

#### **Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit N	lotes
Batch 1338003 - Anion Extraction EPA 300	0.0		. 4474						·	
Blank (1338003-BLK1)				Prepared &	Analyzed:	16-Sep-13				<u>;</u>
Chlonde	ND	9.94	mg/kg				•		*****	
LCS (1338003-BS1)				Prepared &	Analyzed:	16-Sep-13				<u> </u>
Chloride	511	9.98	mg/kg	499		102	90-110	•		
Matrix Spike (1338003-MS1)	Source	e: P309039-	01	Prepared &	Analyzed:	16-Sep-13				
Chloride	500	9.83	mg/kg	492	ND	102	80-120			
Matrix Spike Dup (1338003-MSD1)	Source	: P309039-	01	Prepared 8	Analyzed:	16-Sep-13			***************************************	
Chloride	508	9.90	mg/kg	495	ND	103	80-120	1.72	20	





PO Box 2200

Bartlesville OK, 74005

Project Name:

San Juan 32-9 #14C

Project Number: Project Manager: 92115-2484 Isaac Garcia Reported: 17-Sep-13 16:58

#### **Notes and Definitions**

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



CHAIN OF CUSTODY RECORD

16059

Client: Project Name / Location:						ANALYSIS / PARAMETERS																	
COPC				au Juan 32	-9 £'	140				<u> </u>	. —			1					Γ	т т			
Email results to:			Sar	npler Name:						3	121)	90									1		
Zsuce / Felipse	<u></u>			Isaac		·				8	) B P	1 82(	झ	ا ہے ا		Д.	7						-
Client Phone No.:			Clie	ent No.:						ള	etho	thod	Meta	Anior		h H/	910	Ē	ළ			00	ntac
·		, <u>_</u>		97115	- 24	84				Ĭġ.	3	(Me	8	1/4		Wit	able	1 4	풀	]		) elc	Se.
Sample No./ Identification	Sample Date	Samp Time		Lab No.		Volume ontainers	HNO <sub>3</sub>	eseiva HCI	tive Las	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	2	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample/Intact
BEC	916	9.5	0	P309039-01	1-	402			X	X							ļ 		2			1	Y
Βως	916	9:53	5	1309039-02	1-4	02			义	X									X				Ц
· wwc	9/6	10:10	0	P309031-03	1-	Hoz			X	X									X				
SWC	9/6	16:0	8	1309039-04	1-1	10=			X	X									X				
NWC	9/6	16.0	ري در	P309039-05	1-4	02			X	X									X			1	-1
					<del></del>		-	\\														- :	
· · · · · · · · · · · · · · · · · · ·																						-	
		_																	-				
Relinquished by: (Signature)		-			Date	Time	Rece	_		_	-						-		_		Date	1 .	me
( ) = 0.	u				9/6	7:35		Ìen	e .	Q:	Za	30	ì								9/1/13	14	:35
Relinquished by: (Signature)							Rece	ived t	y: (S	ignat	dre)			•			2.5	4					
Sample Matrix						1 - 1											<del></del> -					+	
Soil 🕱 Solid 🗆 Sludge 🗆	Aqueous [	) Othe	r 🗆 _																				
Sample(s) dropped off after							lytic	al Lo	bor	ator <sup>,</sup>	y	HOD	70 C	0.81	301 ·	labo	raton	v@en	virote	ech-inc	com	٠.	

#### APPENDIX B

Field Notes

Client:		-		er frankriger frankriger († 1865) 1980 - Johann State, frankriger († 1865) 1880 - Johann State, frankriger († 1865)	energia de la constanta de la c La constanta de la constanta d	Project No:	
<b>L</b> ono Co			2 ENVIII (1605) 053-06-19 (1706) 053-06-19 (1706) 053-06-19 (1706) 053-06-19	01261 (600) 932-16 Createrplose, M.S. 8	70 7401	Project No: 92415 -286 COC No:	94
FIELD REPORT:	SPILL CLO	SURE VER	IFICATION			PAGE NO: OF	1000
LOCATION: NAME:	Saw Junny 38	.a w	11 To # 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<del></del>	<del></del>	DATE STARTED: 8/2	
QUAD/UNIT: 37	SEC: 9	TWP: RN RN	G 9M PM	CNTY: 53	MW TS	DATE FINISHED: 9/29 ENVIRONMENTAL 7. MG	
QTR/FOOTAGE 1815	1 FS6 &1	5051 FEL CO	NTRACTOR: E	nuirote	ch	SPECIALIST: Pimuro	
XCAVATION APPROX:		нт. х ∧				CUBIC YARDAGE: (N.	Δ
DISPOSAL FACILITY:	NA	es (१८५ <b>५) है</b> । कुरू वर्षे	REMEDIA	TION METH	OD: ALA		
AND USE: Gra & ing	Recreati	may LE	ASB: 5F-080	376	LAND OW	NBR: FEORANL	
SMILL FOCUSED ANDRO	VELY-LOW	04 451 (1du	BBL MATERIA	L RELEASEI	): Produc	ed tout + Usedlub	e 0;(
SPILL LOCATED APPRO DEPTH TO GROUNDWA'	TEP 312	NEADEST WAT	HEADING OF 30.9	9° FROM W	EUHEAD	API 30645 30112	
JACO DANKING SCOP	DE: 00	An partis of Mar	OCD TOUCH OUT	D.F. Comb		SURFACE WATER: 96'	and some
QIL AND EXCAVATION	DESCRIPTIO	Y Fine o	L. 75	ST /	<u> </u>	O /	Ý
-Called Crusta	J Takoya	idue to F	ranaina e	2.1/6	uid in	Peleasearea pour determinat a waite top oil Puddis not sample	e Orio
15 NOT passib	in wa	in Réleuse	a rea,	D CHUR	d-ade	pth autominar	1071
MISO ONSITE WALT	tor winter	Track?	-e-assessied	Area - s	cruped	a water top oil	. Lu
Clale State Com			-/ magev	~ 2. × 4.0	rea " 0 )	Paccocky nor sample	
SAMPLE DESCRIPTION	30, 74,	THE CONTROL	A ALCUT - 2 ST	- Neadin	W - 7. YOM	LOW KE had = 145 mg	
200 Standard		SAMPLE LD. LA	TO NO.   WEIGHT (	) INL PREOF	DILUTION	READING CALC. ppr	n
Surface complish		6.60mb	<u> </u>	20	ч	36 /20	<u>e s Nazra</u> La difficilità
2' B65 5' B65	13:34	2°865	5	20	4	38 152	
Sur Ele Comp	13100	Como -	<u> </u>	20	4	5548 3214 2	Malariaria (d.). 
The first of the state of the s	Sign Hallinger I I I						
	Transfer of the second						
SPILL PE	BRIMETER		OVM			SPILL PROFILE	
	BRIMETER		RESULT			SPILL PROFILE	
SPILL PE	BRIMETER	SA	RESULT	DSPACE PID	-> Z		
	BRIMETER	SA \	RESULT	DSPACE PID pm)	-> Z	5 Seind Bown >	·6"
Sh Din	<del></del>	71 \	RESULTA MPLE FIELD IRA ID G  PO CO  C" O CO	DSPACE PID pm) 3	<b>→</b> Z	5 Seind Bown >	-6" μἔρ
	BRIMETER	71 \	RESULTA MPLE FIELD ITEM ID G  S  P  P  P  P  P  P  P  P  P  P  P  P	DSPACE PID pm) 3 >	-> Z	5 yeind Blown = 0	clay
ah Dan	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	71 \	RESULTA MPLE FIELD IRA ID G  PO CO  C" O CO	DSPACE PID pm) 3 >	→ N	5 yeind Blown = 0	6" Lep Chy
uh []	<del></del>	71 \	RESULTA MPLE FIELD ITEM ID G  S  P  P  P  P  P  P  P  P  P  P  P  P	DSPACE PID pm) 3 >	→ Z	5 yeind Blown = 0	clay
M Dan	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	71 \	RESULTA MPLE FIELD ITEM ID G  S  P  P  P  P  P  P  P  P  P  P  P  P	DSPACE PID pm) 3 >	- Z	5 yeind Blown = 0	clay
W Dan	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	71 \	RESULT MPLE FIBLD ITEM ID (D デポク (O。 6" (O。) 2! (O。)	DSPACE PID pm) 3 2	<b>→</b> Z	5 yeind Blown = 0	clay
ah Dan	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c		RESULTS MPLE FIELD ITEM ID G  FIELD ITEM 6" O.C  1" O.C  1" O.C  LAB SAMPI	DSPACE PID pm) 3 2 2 2 2 2 ES	4	5 yeind Blown = 0	clay
M Dan	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	RESULT MPLE FIELD ITEM ID G SSP (O.C) 21 O.C 7 (72.C)  LAB SAMPI MPLE ANALYSIS	DSPACE PID pm) 3 > > - ES	N Start	5 yeind Blown = 0	clay
uh []	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	RESULT MPLE FIBLD ITEM ID G SSP IO. 6" O.C 2" O.C C' (72.6)  LAB SAMPI MPLE ANALYSIS	DSPACE PID pm) 3 2 2 2 2 2 ES	4	5 yeind Blown = 0	clay
ah Dan	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	RESULT MPLE FIELD ITEM ID G SSP (O.C) 21 O.C 7 (72.C)  LAB SAMPI MPLE ANALYSIS	DSPACE PID pm) 3 2 2 2 2 2 ES	4	5 yeind Blown = 0	clay
ah Dan	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	RESULT MPLE FIELD ITEM ID G SSP (O.C) 21 O.C 7 (72.C)  LAB SAMPI MPLE ANALYSIS	DSPACE PID pm) 3 2 2 2 2 2 ES	4	5 yeind Blown = 0	clay
uh []	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	RESULT MPLE FIELD ITEM ID G SSP (O.C) 21 O.C 7 (72.C)  LAB SAMPI MPLE ANALYSIS	DSPACE PID pm) 3 2 2 2 2 2 ES	4	5 yeind Blown = 0	clay
ah Dan	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	RESULT MPLE FIELD ITEM ID G SSP (O.C) 21 O.C 7 (72.C)  LAB SAMPI MPLE ANALYSIS	DSPACE PID pm) 3 2 2 2 2 2 ES	4	5 yeind Blown = 0	clay
ah Dan	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	RESULT MPLE FIELD ITEM ID G SSP (O.C) 21 O.C 7 (72.C)  LAB SAMPI MPLE ANALYSIS	DSPACE PID pm) 3 2 2 2 2 2 ES	4	5 yeind Blown = 0	clay
AN Du	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c		RESULT MPLE FIELD ITEM ID G SSP (O.C) 21 O.C 7 (72.C)  LAB SAMPI MPLE ANALYSIS	DSPACE PID pm) 3 2 2 2 2 2 ES	4	Second Blown 20 1/2 in	clay

Clent:  Control Phillips (NB)  Control Philli		A CHARLEST CONTRACTOR	ya. Yan	gg tropic		4 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	a de la companya de La companya de la co	Signatur Signatur	
DATE FINSIBLE TRATTED: 9/07/2  QUADUNIT: 3 SBC: 9 TWP. 1/W RNG-90 PM: CNTY:SS ST. ENVIRONMENTAL  SPECIALIST: CONTRACTOR: SPECIALIST: CHARLE  EXCAVATION APPROX: 40 FT. X 5 FT. X 7 FT. DEEP CUBIC YARDAGE:  EXCAVATION APPROX: 40 FT. X 5 FT. X 7 FT. DEEP CUBIC YARDAGE:  EXCAVATION APPROX: 40 FT. X 5 FT. X 7 FT. DEEP CUBIC YARDAGE:  DISPOSAL FACILITY: REMEDIATION METHOD:  LAND USE: LAND OWNER:  LAND OWNER:  LAND OWNER:  LAND OWNER:  LAND OWNER:  MATERIAL RELEASED: 10 Mod 0 WARDER OWNER:  NEAREST WATER SOURCE: NEAREST WATER: NEAREST WATER SOURCE:  NEOCO PRIME SOURCE: NEAREST WATER SOURCE: NEAREST WATER:  NEAREST WATER SOURCE: NEAREST WATER SOURCE: NEAREST WATER: N		(4B1)		(9	(B) 632-0318	(600) 362-48		Project No	92115.248Y 16059
DATE FINSIBLE TRATTED: 9/07/2  QUADUNIT: 3 SBC: 9 TWP. 1/W RNG-90 PM: CNTY:SS ST. ENVIRONMENTAL  SPECIALIST: CONTRACTOR: SPECIALIST: CHARLE  EXCAVATION APPROX: 40 FT. X 5 FT. X 7 FT. DEEP CUBIC YARDAGE:  EXCAVATION APPROX: 40 FT. X 5 FT. X 7 FT. DEEP CUBIC YARDAGE:  EXCAVATION APPROX: 40 FT. X 5 FT. X 7 FT. DEEP CUBIC YARDAGE:  DISPOSAL FACILITY: REMEDIATION METHOD:  LAND USE: LAND OWNER:  LAND OWNER:  LAND OWNER:  LAND OWNER:  LAND OWNER:  MATERIAL RELEASED: 10 Mod 0 WARDER OWNER:  NEAREST WATER SOURCE: NEAREST WATER: NEAREST WATER SOURCE:  NEOCO PRIME SOURCE: NEAREST WATER SOURCE: NEAREST WATER:  NEAREST WATER SOURCE: NEAREST WATER SOURCE: NEAREST WATER: N	FIELD REPORT: S	PILL CLO	OSURE V	ERIFIC	ATION		er growth of the pro-	PAGE NO	. 1 OF 1
QUADUNIT: 3 SEC. 9 TWP. 71/N PM: CNTY:S5 ST. ENVIRONMENTAL SPECIALIST. CONTRACTOR  BECAVATION APPROX: 40 FT. X 3 FT. X 3 FT. DEEP CUBIC VARDAGE:  BECAVATION APPROX: 40 FT. X 5 FT. X 3 FT. DEEP CUBIC VARDAGE:  DISPOSAL PACILITY: REMEDIATION METHOD:  LAND USE: LAND OWNER:  LAND USE: LAND OWNER:  LAND USE: LAND OWNER:  LAND USE: LAND OWNER:  LAND OWNER:  MATERIAL RELEASED: CONTRACTOR PM.  MATERIAL RELEASED: MEAREST SUFFACE WATER:  NEAREST WATER SOURCE: NEAREST WATER SOURCE: NEAREST SUFFACE WATER:  NMOCD RANKING SCORE: PM: NEAREST WATER SOURCE: NEAREST SUFFACE WATER:  NMOCD RANKING SCORE: PM: NEAREST WATER SOURCE: NEAREST WATER SOURCE	A				<u></u>				
OTRACTOR  SPECIALIST: A GRAVE  EXCAVATION APPROX: 40 FT. X 5 FT. X 2 FT. DEEP CUBIC YARDAGE:  BYSOSAL PACILITY: EMBEDIATION METHOD:  LAND USE: LANSE  LAND OWNER:  CAUSE OF RELEASE: Confer from 18 GT MATERIAL RELEASED: Trained Control and Control						CAITUS	- 0.00		
EXCAVATION APPROX: \$\frac{\psi}{\psi} \text{ ft. } \times \frac{\psi}{\psi} \text{ for the proximately: } \text{ ft. } \text{ fr. } \text{ power boundwarter: } \text{ NMOCD TH CLOSURE STD: } \text{ /0 o ppm } \text{ sold for the proximater: } \text{ NMOCD TH CLOSURE STD: } \text{ /0 o ppm } \text{ sold for the proximater: } \text{ NMOCD TH CLOSURE STD: } \text{ /0 o ppm } \text{ sold for the proximater: } \text{ fill ft. } \text{ for the proximater: } \text{ fill ft. } \text{ for the proximater: } \text{ fill ft. } \text{ for the proximater: } \text{ fill ft. } \text{ for the proximater: } \text{ fill ft. } \text{ for the proximater: } \text{ fill ft. } \text{ for the proximater: } \text{ fill ft. } \text{ for the proximater: } \text{ fill ft. } \text{ for the proximater: } \text{ fill ft. } \text{ for the proximater: } \text{ fill ft. } \text{ for the proximater: } \text{ fill ft. } \text{ for the proximater: } \text{ fill ft. } \text{ for the proximater: } \text{ fill ft. } \text{ for the proximater: } \text{ fill ft. } \text{ for the proximater: } \text{ fill ft. } \text{ for the proximater: } \text{ fill ft. } \text{ for the proximater: } \text{ fill ft. } \text{ for the proximater: } \text{ fill ft. } \text{ for the proximater: } \text{ fill ft. } \text{ for the proximater: }  for the pr		a sala sala sala sala sala sala sala sa				CN1 1:33	81:		and the state of t
DISPOSAL PACILITY:  CAUSE OF RBLEASE:  MATERIAL RELEASES:  MARCE STORY  MATERIAL RELEASES:  M	EXCAVATION APPROX:	40'	FT. X	ノゔ゙	FT X	ົ່ງ /	EL DEED	X 31 _ H . A 7	
CAUSE OF RELEASE: Out the first MATERIAL RELEASED: From SPILL DCATED APPROXIMATELY:  FIT: FROM DEBRIT HO REGULATORY SURFACE WATER: NEAREST WATER SOURCE:  NMOCD RANKING SCORE: NMOCD THICLOSURE STD: 700 PPM  SAMPLE DESCRIPTION TIME SAMPLE ID. LAB NO. WEIGHT (g) Ind. FREON DILLUTION READING CALC. DON  SAMPLE DESCRIPTION TIME SAMPLE ID. LAB NO. WEIGHT (g) Ind. FREON DILLUTION READING CALC. DON  SAMPLE DESCRIPTION TIME SAMPLE ID. LAB NO. WEIGHT (g) Ind. FREON DILLUTION READING CALC. DON  SAMPLE DESCRIPTION TIME SAMPLE ID. LAB NO. WEIGHT (g) Ind. FREON DILLUTION READING CALC. DON  SAMPLE DESCRIPTION TIME SAMPLE ID. LAB NO. WEIGHT (g) Ind. FREON DILLUTION READING CALC. DON  SAMPLE DESCRIPTION TIME SAMPLE ID. LAB NO. WEIGHT (g) Ind. FREON DILLUTION READING CALC. DON  SAMPLE DESCRIPTION TIME SAMPLE ID. LAB NO. WEIGHT (g) Ind. FREON DILLUTION READING CALC. DON  SAMPLE DESCRIPTION TIME SAMPLE ID. LAB NO. WEIGHT (g) Ind. FREON DILLUTION READING CALC. DON  SAMPLE DESCRIPTION TIME SAMPLE ID. LAB NO. WEIGHT (g) Ind. FREON DILLUTION READING CALC. DON  SAMPLE DESCRIPTION TIME SAMPLE ID. LAB NO. WEIGHT (g) Ind. FREON DILLUTION READING CALC. DON  SAMPLE DESCRIPTION TIME SAMPLE ID. LAB NO. WEIGHT (g) Ind. FREON DILLUTION READING CALC. DON  SAMPLE DESCRIPTION TIME ID. LAB NO. WEIGHT (g) Ind. FREON DILLUTION READING CALC. DON  SAMPLE DESCRIPTION TIME ID. LAB NO. WEIGHT (g) Ind. FREON DILLUTION READING CALC. DON  SAMPLE DESCRIPTION.  SAMPLE DESCRIPTION:  SA								CODIC 17	KDAGE,
SPILL LOCATED APPROXIMATELY:  DEPTH TO GROUNDWATER:  NEAREST WATER SOURCE:  NEAREST SURFACE WATER:  NEAREST SURFACE WATER:  NEMOCD BANKING SCORE:  NMOCD BANKING SCORE:  SOIL AND EXCAVATION DESCRIPTION:  SAMPLE DESCRIPTION:  READING CALC. ppm  CALC. ppm  CALC. ppm  CALC. ppm  CALC. ppm  ASTRON. BEST Carp.  JULY SAMPLE DESCRIPTION:  SAMPLE DESCR		211 T		LBASE:			LAND OW	NER:	
DEPTH TO GROUNDWATER: NEAREST WATER SOURCE: NEAREST SURFACE WATER:  NMOCD RANKING SCORE: SEED NMOCD TPH CLOSURE STD: 100 PPM  SOUL AND EXCAVATION DESCRIPTION:  SAMPLE DESCRIPTION TIME SAMPLE LD. LAB NO. WEIGHT (p) INL. FREON DILUTION READING CALC. ppm 200 S/D 100 S/D 200 S/D 20		T	15G1		MATERIAL		: Produce	d water	luscel sol
NMOCD RANKING SCORE:	59/5 (1) (1)		NEAREST		I)PCE	FROM	NEADECT	OUDEA CO	
SAMPLE DESCRIPTION    SAMPLE DESCRIPTION   TIME   SAMPLE   D   LAB NO.   WEIGHT (p)   nL FREON DILUTION   READING   CALC. ppm			en e			ESTD:			WATER:
CO 5   D	DANCE DOUGL	<b>4</b>					<u>anta a free antres e a</u>	ta e e e e e e e e e	Na kama walio kakaba
Botton Cot Comp 11:11 BWC 54 988 4 31 124  Botton East Comp 11:15 BEC 54 90 4 47 17 17 12  Work Well Cong 11:15 NWC 3 30 11 27  South Coll Comp 11:20 SWC 3 30 11 27  South Coll Comp 11:20 SWC 59 30 4 27 11:20  Wat Well Cot 5 11:20 SWC 59 30 4 27 11:20  Wat Well Cot 5 11:20 SWC 59 30 4 27 11:20  Wat Well Cot 5 11:20 SWC 59 30 4 27 11:20  Wilble leak By Ast 11:33 VLBT 51 20 4 24 96  SPILL PERIMETER  OVM SPILL PROFILE  RESULTS  SAMPLE FIELD HEADSPACE PID 10 10 10 10 10 10 10 10 10 10 10 10 10				LAB NO.			DILUTION		CALC. ppm
20   1   1   1   1   1   1   1   1   1	Bottom west comp				4 1	187644	4		124
See th Well Comp   1:20   SWC   37   30   4   27   7/2							4	48	
West   West   Comp   11.22   Wwc   59   20   4   29   116									
SPILL PERIMETER   S2   80   4   83   72	wast well comp		wwc						
SPILL PERIMETER  OVM RESULTS  SAMPLE FIBED HEADSPACE PID  B GORD  GORD  GORD  AS  LAB SAMPLES  SAMPLE  S							4		92
RESULTS  SAMPLE FIELD HEADSPACE PID  ID  ID  (gpm)  Buc /9  Aucc /9  Ewc 3.1  Was C 3.7  Was C 1.8  VZ BT 2.5  VZ BT 2.5  ID  LAB SAMPLES  SAMPLE  ANALYSIS TIME  ANALYSIS TIME	######################################					40	4	24	96
SAMPLE FIBLD HEADSPACE PID  ID (ppm)  BWC /-9  AWC /-9  SWC /-9  EWC J. (  WW C J. (  WW	SPILL PE	RIMETER						SPILL P	ROPILE
		A <sup>3</sup>		ID BWC SWC SWC WWC WWC WWC WWC WWC WWC WWC W	FIELD HEAD: (ppn /·3 2/2 //4 3// 3// 3// J/8 2/2  AB SAMPLE ANALYSIS	SPACE PID  n)  S  TIME	× ×	×	
RAVEL NOTES: (ALI ED OUT: O SITE:	RAVEL NOTES:	( VLI FI) OOJ	Γ;	over the de land, unference over 1999.			***************************************	***************************************	