

**RECEIVED** By JKeyes at 9:36 am, Feb 05, 2016

**APPROVED** Conditionally By JKeyes at 9:36 am, Feb 05, 2016

**RP** will remain open until site abandonment at which point in time a complete delineation will need to occur.

## **CONOCOPHILLIPS**

P.O. Box 2197 Houston, TX 77252-2197 Phone 281.293.1000

# EVGSAU 2739-007 (1RP-3148)

# **Termination Request**

API No. 30-025-26779

Release Date: May 14<sup>th</sup>, 2014

Unit Letter K, Section 27, Township 17S, Range 35E



PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

## **January 28th**, 2016

Jamie Keyes Environmental Specialist – New Mexico Oil Conservation Division Energy, Minerals and Natural Resources Department 1625 N. French Dr. Hobbs, NM 88240

## RE: Termination Request ConocoPhillips EVGSAU 2739-007 (1RP-3148) UL/K sec. 27 T17S R35E API No. 30-025-26779

Mr. Keyes:

ConocoPhillips (CoP) has retained Basin Environmental Service Technologies, LLC (Basin) to address potential environmental concerns at the above-referenced site.

## **Background and Previous Work**

The site is located approximately 3.4 miles east of Buckeye, New Mexico at UL/K sec. 27 T17S R35E. BLM and non-CoP monitor well records indicate that groundwater will likely be encountered at a depth of approximately 57 +/- feet.

On May 14<sup>th</sup>, 2014, CoP discovered fluid coming from the stuffing box from the well. The well was isolated and the stuffing box repacked. A total of 6.57 barrels of oil and produced water was released over 3,712 square feet of lease pad and pasture land. A total of 5 barrels of the released fluid was recovered. An initial C-141 was written on May 15<sup>th</sup>, 2014, and submitted to NMOCD for their approval. NMOCD approved the initial C-141 on July 7<sup>th</sup>, 2015 (Appendix A).

Basin personnel were on site beginning on July 16<sup>th</sup>, 2014. The site was visually assessed and mapped. Based on the assessment, a Corrective Action Plan (CAP) was submitted to NMOCD October 22<sup>nd</sup>, 2014, and was approved the same day. The CAP stated that the release area would be scraped down to 6 inches bgs. All excavated soil would be taken to a NMOCD approved facility for disposal. At the base of the scrape, a bottom composite would be taken to a commercial laboratory to confirm that chloride, Gasoline Range Organics (GRO), Diesel Range Organics (DRO) and BTEX readings were below regulatory standards. Clean soil would be imported to the site to serve as backfill. The lease pad would be backfilled with clean, imported caliche, and the pasture would be backfilled with clean, imported top soil. The site would be contoured to the surrounding location. The pasture area would be seeded with a blend of native vegetation.

Corrective actions began at the site April 20<sup>th</sup>, 2015. The release area was scraped down 6 inches (Figure 1). Samples were taken from the base of the scrape and sent to a commercial laboratory for analysis, which returned elevated chloride levels. Based on this analysis, three verticals were installed. The vertical at Point 1 was installed to 10 ft bgs and was sampled at regular intervals. The 10 ft sample was sent to a commercial laboratory for analysis, which returned a chloride concentration of 448 mg/kg, a Gasoline Range Organics (GRO) reading of non detect and a Diesel Range Organics Reading (DRO) of 115 mg/kg. The vertical at Point 2 was installed to 1 ft bgs, and a representative sample was taken and sent to a commercial laboratory for analysis. The sample returned a chloride concentration of 48 mg/kg and GRO and DRO levels of non-detect. The vertical at Point 3 was installed to 10 ft bgs and was sampled at regular intervals. The 10 ft sample was sent to a commercial laboratory for analysis, which revealed a chloride concentration of 384 mg/kg and GRO and DRO levels of non-detect (Appendix B). Based on this analysis, the area around Point 1 was scraped to 2 ft bgs and a 20mil, reinforced, poly-liner was installed and properly seated at the base of the excavation. All excavated soil, a total of 135 cubic yards, was taken to a NMOCD approved facility for disposal. A total of 90 cubic yards of caliche was imported to the site to serve as backfill. A 5 point composite sample of the imported caliche was taken to a commercial laboratory for analysis and returned a chloride value of 16 mg/kg. All three excavations were then backfilled with clean, imported soil and contoured to the surrounding location. Point 3 will be addressed during site abandonment.

At the suggestion of NMOCD, berms were installed to the north and to the east of the well head.

Photo documentation of all field activities can be found in Appendix C.

Since CoP has completed all activities and stated in the approved CAP, CoP respectfully requests 'remediation termination' and site closure. A final C-141 can be found in Appendix D.

Basin appreciates the opportunity to work with you on this project. Please call me if you have any questions or wish to discuss the site.

Sincerely,

Kyle Norma

Kyle Norman Project Lead Basin Environmental Service Technologies (575) 942-8542

Attachments: Figure 1 – Excavation Data Appendix A – Initial C-141 Appendix B – Laboratory Analysis Appendix C – Photo Documentation Appendix D – Final C-141

# Figures

Basin Environmental Service Technologies P.O. Box 2948, Hobbs, NM 88241 Phone 575.393.2967

## **Excavation Data**

13.4	100	Point	1	The set	2-27	0.2	17	Point	2	1000	2102	55.25	Sec.	Point	2	1000
-	CI-	PID	GRO	DRO			CI-	PID	GRO	DRO			CI-		GRO	DRO
6"	208	0.2	<10	242		6"	400	1.4	<10	458		6"			GRU	DRU
A CONTRACTOR						1'	48	0.4	<10	<10			853	0.1		
1'	368	0.6	<10	<10		-	40	0.4	10	~10		1'	757	2.1		-
1.5'	480	7.4	<50	1470								1.5'	1600	0.8	<10	<10
2'	628	5.1										2'	529	0		1.10
3'	639	0.7										2.5'	720	0.2	<10	<10
4'	924	1							130			3'	909	0.1		
5'	1360	0.5										3.5'	1170	0.4		
6'	1074	0.4										4'	2113	0		
7'	1050	0.3										4.5'	2285	0		
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## Appendix A Initial C-141

Basin Environmental Service Technologies P.O. Box 2948 Hobbs, NM 88241 Phone 575.393.2967 k

District I 625 N. French District II 11 S. First St.,						New Mexi and Natura	ico l Resources		5 2014	]	Revised	Form C-141 August 8, 2011
District III 000 Rio Brazos District IV	Road, Azteo		5	1220	) South	vation Div St. Franc , NM 875	is Dr.		mit 1 Copy ac	to appropri cordance w	ate Dis ith 19.1	strict Office in 15.29 NMAC.
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		onocoPhilli	-			encer Cluff						
		Complex L					No. 575-391-31	43	- · · ·			
Facility Nat	ne: EVGS	SAU 2739-0	07			Facility Typ	e: Well					
Surface Ow	ner: NMO	CD		Mineral (	Owner: 1	NMOCD			API No	. 30-025-	26779	)
				LOCA	ATIO	N OF REI	LEASE					
Unit Letter k	Section 27	Township 17S	Range 35E	Feet from the 2600	North/ South	South Line	Feet from the 2450	East/\ West	Vest Line	County LEA		
	2.8057498	8009579 Lon	igitude 1	03.4460815896 NAT		OF REL	EASE	- <b>-</b>				
Type of Rele						Volume of Release: 1.0 BBLS Volume Recovered: 0 E						
Source of Re						Date and Hour of Occurrence 5/14/2014 8:00 pm			ence Date and Hour of Discovery 5/14/14 9:00 am			
Was Immedi	ate Notice (	Given?	Yes 🗌	] No 🛛 Not R	equired	If YES, To Whom?						
By Whom? S				-			Iour: 05/15/2014					
Was a Water	course Read		Yes 🗵	No		If YES, Vo	olume Impacting	the Wate	ercourse.			
If a Watercou	irse was Im	pacted, Descr	ibe Fully.	k		L	Dey	074 70	g Hao	50-100	,	
Describe Ca	ause of Pro	blem and R	emedial /	Action Taken.*								
mile N of o	ffice. MS	O Isolated th	e well an	IST, MSO disco d repacked stuf was 6.57 BPW.	fing box	c. The spill	area was 45 ft.	X 75 ft	. X 0.5 inc	hes deep.		
Describe Ar	ea Affecte	d and Clean	up Action	Taken.*								
The spill are	ea was 45	ft. X 75 ft. X	C 0.5 inch	es deep, all on o	caliche <sub>l</sub>	pad.						

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 CONSI	ERVATION	DIVISION
Signature: Spencer A. Cluff				
Printed Name: Spencer Cluff		Approved by Environmental Spe	cialist:	
Title: LEAD HSE		Approval Date: 7-7-14	Expiration	Date: 9-10-14
E-mail Address: <b>spencer.a.c</b>	luff@conocophillips.com	Conditions of Approval: Si 7. Surgles again Remediate site aspar guides. Subant fin / C	NTOCO	Attached
Date: 05/15/2014	Phone:575-391-3143	guides Subaut find (	C-141 by	7-743148
* Attach Additional Sheets If N	lecessary	9-10-14		09~1 217817-
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**SUL 0 9 2014** 

## Appendix B Laboratory Analysis

Basin Environmental Service Technologies P.O. Box 2948 Hobbs, NM 88241 Phone 575.393.2967



April 27, 2015

KYLE NORMAN Basin Environmental Service P.O. Box 301 Lovington, NM 88260

RE: EVGSAU 2739-007

Enclosed are the results of analyses for samples received by the laboratory on 04/24/15 8:08.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/24/2015	Sampling Date:	04/21/2015
Reported:	04/27/2015	Sampling Type:	Soil
Project Name:	EVGSAU 2739-007	Sampling Condition:	Cool & Intact
Project Number:	NONE GVEN	Sample Received By:	Jodi Henson
Project Location:	COP		

#### Sample ID: POINT 1 @ 6" (H501064-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	04/24/2015	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/24/2015	ND	213	107	200	0.243	
DRO >C10-C28	242	10.0	04/24/2015	ND	225	112	200	1.65	
Surrogate: 1-Chlorooctane	103	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	102	% 52.1-17	6						

## Sample ID: POINT 1 @ 1' (H501064-02)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	04/24/2015	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/24/2015	ND	213	107	200	0.243	
DRO >C10-C28	<10.0	10.0	04/24/2015	ND	225	112	200	1.65	
Surrogate: 1-Chlorooctane	101	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	100	% 52.1-17	6						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/24/2015	Sampling Date:	04/23/2015
Reported:	04/27/2015	Sampling Type:	Soil
Project Name:	EVGSAU 2739-007	Sampling Condition:	Cool & Intact
Project Number:	NONE GVEN	Sample Received By:	Jodi Henson
Project Location:	COP		

#### Sample ID: POINT 1 @ 1.5' (H501064-03)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	04/24/2015	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	04/24/2015	ND	213	107	200	0.243	
DRO >C10-C28	1470	50.0	04/24/2015	ND	225	112	200	1.65	
Surrogate: 1-Chlorooctane	96.7	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	112	% 52.1-17	6						

## Sample ID: POINT 2 @ 6" (H501064-04)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	04/24/2015	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/24/2015	ND	213	107	200	0.243	
DRO >C10-C28	458	10.0	04/24/2015	ND	225	112	200	1.65	
Surrogate: 1-Chlorooctane	95.2	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	91.5	% 52.1-17	76						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/24/2015	Sampling Date:	04/21/2015
Reported:	04/27/2015	Sampling Type:	Soil
Project Name:	EVGSAU 2739-007	Sampling Condition:	Cool & Intact
Project Number:	NONE GVEN	Sample Received By:	Jodi Henson
Project Location:	COP		

#### Sample ID: POINT 2 @ 1' (H501064-05)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/24/2015	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/24/2015	ND	213	107	200	0.243	
DRO >C10-C28	<10.0	10.0	04/24/2015	ND	225	112	200	1.65	
Surrogate: 1-Chlorooctane	100	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	96.2	% 52.1-17	6						

## Sample ID: POINT 3 @ 1.5' (H501064-06)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>1600</b> 16.0		04/24/2015	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/24/2015	ND	213	107	200	0.243	
DRO >C10-C28	<10.0	10.0	04/24/2015	ND	225	112	200	1.65	
Surrogate: 1-Chlorooctane	94.5	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	: 1-Chlorooctadecane 88.5 % 52.1-1		6						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Basin Environmental Service KYLE NORMAN P.O. Box 301 Lovington NM, 88260 Fax To: (575) 396-1429

Received:	04/24/2015	Sampling Date:	04/23/2015
Reported:	04/27/2015	Sampling Type:	Soil
Project Name:	EVGSAU 2739-007	Sampling Condition:	Cool & Intact
Project Number:	NONE GVEN	Sample Received By:	Jodi Henson
Project Location:	COP		

#### Sample ID: POINT 3 @ 2.5' (H501064-07)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	04/24/2015	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/24/2015	ND	213	107	200	0.243	
DRO >C10-C28	<10.0	10.0	04/24/2015	ND	225	112	200	1.65	
Surrogate: 1-Chlorooctane	95.8	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	93.2	% 52.1-17	6						

#### **Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whoto limitation, business interruptors, loss of growths incurred by client, its subsidiaries, affiliates or successor arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

- ND
   Analyte NOT DETECTED at or above the reporting limit

   RPD
   Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 6 of 7

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 7 of

ARDINAL LABORATORIES \* RUSH\* 101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

Company Name	Basin Environmental							BILL TO					ANALYSIS REQUEST												
Project Manager								Р.(	0. #:																
Address: 419	W Cain							Co	mpa	any:	1	0 .	2					S							
City: Hobbs	State: NM	Zip	: 88	324	0			Att	tn:		ł	basil	1					5							
Phone #: 575-3								Address:								, Li									
Project #:	Project Owne	r:						Cit	ty:						Σ			S/P							
Project Name: (	1.P							Sta	ate:			Zip:		es	10		TPH	ű							
	EVGSAU 2739-007							Phone #:					Chlorides	801	BTEX	5	Cations/Anions	TDS							
Sampler Name:	Chris Flores							Fa	x #:					12			Texas	ő	F						
FOR LAB USE ONLY		Γ.	Г		M	ATRI	X		PRE	SEF	RV.	SAMPL	NG	1	F	1	e	fe				1			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME		F			Complete							2
1	Point 1 @ 6"	G	1			1				1		4/4/15	10:35 14	X	X										
2	Po: 1 2 @ 1'	G	1		1	1				1		4/23/5	2:15 PM	X	×		-								
3	Point 1 P1.5	G	li		1					V		4/23/15	2120 pm	X	7							×.			
4	Point 2 C 6"	6	L	L	V	(				1		4/21/15	12:20 004	X	×							r			
56	Point 2 C1' Point 3 C1.5	6	1	L	1	(				1		4/21/15	1:30 pm	×	×							L			-
6	Point3@1.5	6	1	L	1	_				V			10:05 1		X	L						-			
7	Point3 C 2.5'	6	1	L	1	4	-			1		4/23/15	10:10Am	X	7							-			
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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable

service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: //24/15	Received By:	Phone Result:  Yes  No Add'l Phone #: Fax Result:  Yes  No Add'l Fax #:
l'him the	Mines:08	Coll Rense	REMARKS:
Relinquished By:	Date:	Received By:	email results:
	Time:		hconder@basinenv.com; knorman@basinenv.com; jkamplain@basinenv.com; lflores@basinenv.com;
Delivered By: (Circle One)		Sample Condition CHEC	ED BY: Iweinheimer@basinenv.com; cursanic@basinenv.com
Sampler - UPS - Bus - Other:	Ч,		environmental tech: cflores @basinenv.com

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



May 05, 2015

KYLE NORMAN BASIN ENVIRONMENTAL - HOBBS 419 W. CAIN HOBBS, NM 88240

RE: EVGSAU 2739-007

Enclosed are the results of analyses for samples received by the laboratory on 05/04/15 8:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



BASIN ENVIRONMENTAL - HOBBS KYLE NORMAN 419 W. CAIN HOBBS NM, 88240 Fax To: (575) 393-0293

Received:	05/04/2015	Sampling Date:	04/30/2015
Reported:	05/05/2015	Sampling Type:	Soil
Project Name:	EVGSAU 2739-007	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

### Sample ID: POINT 1 @ 10' (H501152-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	05/05/2015	ND	416	104	400	7.41	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/04/2015	ND	197	98.4	200	0.528	
DRO >C10-C28	115	10.0	05/04/2015	ND	203	102	200	1.44	
Surrogate: 1-Chlorooctane	96.3	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	92.0	92.0 % 52.1-176							

## Sample ID: POINT 3 @ 10' (H501152-02)

Chloride, SM4500Cl-B	mg	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	05/05/2015	ND	416	104	400	7.41	
TPH 8015M	mg,	′kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/04/2015	ND	197	98.4	200	0.528	
DRO >C10-C28	<10.0	10.0	05/04/2015	ND	203	102	200	1.44	
Surrogate: 1-Chlorooctane	92.2	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	88.4	% 52.1-17	6						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

- ND
   Analyte NOT DETECTED at or above the reporting limit

   RPD
   Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of 4

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603 1 (505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020

**RDINAL LABORATORIES** 

Company Name: Basin Environmental							1	1	3/1	11 70	ANALYSIS REQUEST													
Project Manager:							P.(	D. #:																
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and a second	#: 575-393-0				Address				SS:	41	19WC	ain	1				, i							
Project #: Pro	ect Owner:						Cit		đ	1				Σ			A/S					1		
Project Name: Conoco Phillips							Sta	te:			Zip:		Chlorides	2		Texas TPH	Cations/Anion		p I			1		
Project Location: EVG SAM 2739	-007						Ph	one	#:				5	8015	BTEX	H	tio	TDS						
Sampler Name: Churts Flores							Fax	¢#:					9	<u>∞</u>	F	as	ů l	님						
FOR LAB USE ONLY		Г		M/	TRI	x	-	-	SEF	R٧.	SAMPL	NG	5	TPH	-	e.				- 1				
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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's excl analyses. All claims including those for negligence and any other cause wh service. In no event shall cardinal be liable for incidential or consequental affiliates or successors arising out of or related to the performance of servic	tsoever shall be deeme mages including witho	d waive ut limits	ed unles tion by	is made	in writi decorr	ng and tione in	receiv	ed by	Cardin	al with	hin 30 days afte	r completion of th	e applicab	sie										
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Tim	. V											hconde	r@ba	asine	nv.co	m; kr	orma	an@b	asin	env.c	om;			

jkamplain@basinenv.com; lflores@basinenv.com; Sample Condition CHECKED BY: lweinheimer@basinenv.com; cursanic@basinenv.com Cool Intact Yes Yes No No Initials environmental tech:

cflores @basinenv.com

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:



June 02, 2015

KYLE NORMAN BASIN ENVIRONMENTAL - HOBBS 419 W. CAIN HOBBS, NM 88240

RE: EVGSAU #007

Enclosed are the results of analyses for samples received by the laboratory on 05/27/15 16:04.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



BASIN ENVIRONMENTAL - HOBBS KYLE NORMAN 419 W. CAIN HOBBS NM, 88240 Fax To: (575) 393-0293

Received:	05/27/2015	Sampling Date:	05/27/2015
Reported:	06/02/2015	Sampling Type:	Soil
Project Name:	EVGSAU #007	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

#### Sample ID: 5 PT. COMP IMPORT SOIL (H501330-01)

Chloride, SM4500Cl-B	ride, SM4500Cl-B mg/kg		Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/01/2015	ND	432	108	400	3.77	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

- ND
   Analyte NOT DETECTED at or above the reporting limit

   RPD
   Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## ARDINAL LABORATORIES

(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 F/							T	1000	1.0	БП	170		ANALYSIS REQUEST										
	any Name: ConocoPhillips							P.O. #: Company: Basin Attn:									Cations/Anions						
Project Manager: Kyle Norman																							
Address:         419 W Cain           City: Hobbs         State: NM         Zip: 88240           Phone #:         575-393-2967         Fax #: 575-393-0293           Project #:         Project Owner:						-																	
							Address: 419 W Cain				-				1								
							City:	Ho	bbs			0	$\geq$	-	I	IS/							
							State: NM Zip: 88240 Phone #: 575-393-2967				Chloride	TPH 8015 M	BTEX	Texas TPH				1 1					
Project Name: Project Location: EUGSAUH007 Sampler Name: Kylc Schmaidt																							
					-	Fax #: 575-393-0293												1 1					
Sampler Name:	Lyle Almaidt			-	MA	TRD	_			ERV.	the second se	NG	10	山		0	te			1 1			
Lab I.D.	Sample I.D.	(G)RAB OR (C)ON	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER :	ACID/BASE:	OTHER :	DATE	TIME	V				Complete						
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101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603

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affiliates or successors arising out of or related to the performa Relinquished By: Kylc Schmaidt Relinquished By:	5-27-15 Time: Date: 5-27-15 Recei	ved By:	Phone Result: Yes No Add'l Phone Fax Result: Yes No Add'l Fax #: REMARKS: email results: hconder@basinenv.com; knorman@ jkamplain@basinenv; lflores@basir	Dbasinenv.com;
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	76:04 23.4°C	Sample Condition Cool Intact Yes Yes No No No	BY: cursanic@basinenv; sedwards@ba	@basinenv

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

Page 4 of 4

## Appendix C Photo Documentation

Basin Environmental Service Technologies P.O. Box 2948 Hobbs, NM 88241 Phone 575.393.2967

## ConocoPhillips EVGSAU 2739-007

Unit Letter F&K, Section 27, T17S, R35E



Initial release area, facing west

7/16/14



Scraping release, facing west

4/20/15



Initial release area, facing south

7/16/14



Installing vertical, facing northwest

4/23/15



Exporting soil, facing east

4/23/15



Installed liner, facing north

5/7/15



Importing caliche, facing southeast

4/23/15



Backfilling excavation, facing south

5/7/15



Completed site, facing east

5/27/15



Completed site with berms, facing northwest 5/26/15

## Appendix D Final C-141

Basin Environmental Service Technologies P.O. Box 2948 Hobbs, NM 88241 Phone 575.393.2967

Form C-141 Revised August 8, 2011

-

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

1220 S. St. Fran	icis Dr., Sant	a Fe, NM 8750	5	S	anta Fe	, NM 875	505									
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		ConocoPhilli				Contact										
		Complex L				Telephone No.										
Facility Na	ne EVG	SAU 2739-0	007			Facility Typ	be Well									
Surface Owner NMOCD Mineral Owner N							·		API No	. 30-025-2	6779	<u></u>				
				LOC	ATION	OF RE	( TASE									
Unit Letter	Section	Township	Range	Feet from the	~~~	South Line	Feet from the	East/We	est Line	County						
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lf a Watercou	irse was Im	pacted, Descr	ibe Fully.'	ĸ												
Describe Cau stuffing box (	se of Proble @ the EVG	em and Reme SAU 2739-00	dial Action 7, located	n Taken.*□On W 1 mile N of offic	ednesda e. MSO	y, 05/14/2014 Isolated the	4 at 0900 hrs. MS well and repacked	ST, MSO a	discovere box. The	d fluid comi spill area w	ng from as 45 f	n the t. x 75 ft				
x0.5 inches d	eep. 5 BPV	V was recover	ed and the	e total volume of	he spill v	will be remed	liated by NMOCI	) guidelin	es.	•						
scrape and s were installe commercial non detect a representativ mg/kg and C 10 ft sample levels of non installed and facility for d imported cal then backfill	ent to a co ed. The ve laboratory nd a Diese ve sample BRO and I was sent the -detect. If l properly lisposal. A liche was the ed with cl	mmercial la ertical at Poin of for analysis el Range Org was taken an DRO levels of to a commer Based on this seated at the total of 90 aken to a co ean, importe	boratory nt 1 was i s, which r ganics Rea and sent to of non-der cial labor s analysis base of t cubic yar mmercial ed soil and ven above	for analysis, wh installed to 10 ff eturned a chlori ading (DRO) of a commercial 1 tect. The vertic ratory for analys , the area aroun the excavation. ds of caliche wa laboratory for d contoured to t	ich retu bgs and de conc 115 mg aborator al at Poi is, whic d Point All exca as impor- analysis he surro	rned elevate 1 was sample entration of /kg. The va- ry for analy- nt 3 was ins- th revealed - 1 was scrap- avated soil, ted to the s- and returned unding loca- e best of my	down 6 inches. ed chloride leve led at regular in 448 mg/kg, a C ertical at Point 2 sis. The sample stalled to 10 ft b a chloride conce ed to 2 ft bgs an a total of 135 cu ite to serve as b ed a chloride val ttion. Point 3 w	Is. Based tervals. Jasoline I 2 was inst e returned ogs and w entration nd a 20-m ubic yard ackfill. A lue of 16 rill be add nderstand	I on this The 10 f Range O talled to I a chlor vas samp of 384 n nil, reinft s, was ta A 5 point mg/kg. Iressed c	analysis, tl t sample w. rganics (G 1 ft bgs, ar ide concent led at regu ng/kg and ( orced, poly ken to a N t composite All three e huring site a	ree vo as sent RO) re da a ration lar inte GRO a -liner MOCI e samp xcavat abando	erticals to a eading of of 48 ervals. The nd DRO was D approved le of the tions were onment.				
oublic health should their o or the environ	or the envir perations h ment. In a	onment. The ave failed to a	acceptanc idequately CD accep	e of a C-141 repo investigate and r	rt by the emediate	NMOCD ma contaminatio	on that pose a three e the operator of r OIL CONS	eport" doe eat to grou responsibi	es not reli ind water lity for co	eve the oper , surface wa ompliance w	ator of ter, hui ith any	liability nan health				
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1	1/4/1	5 575	-391-	3147												