



APPROVED

CONOCOPHILLIPS

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

SEMU 180

(1RP-3500)

Termination Request

API No. 30-025-39189

Release Date: January 9th, 2015

Unit Letter L, Section 13, Township 20S, Range 37E



PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

May 17th, 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 SEMU 180 (1RP-3500) UL/L sec. 13 T20S R37E API No. 30-025-39189

Mr. Keyes:

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

Background and Previous Work

The site is located approximately 4.8 miles southwest of Monument, New Mexico at UL/L sec. 13 T20S R37E. NM OSE, BLM and BEST installed monitor well records indicate that groundwater will likely be encountered at a depth of approximately 59 +/- feet.

On January 9th, 2015, CoP discovered a leak from a valve on the production tubing intake line that released 6.57 barrels of produced water and oil over 951 sq ft of caliche pad. A total of 2 barrels of oil and 1 barrel of produced water were recovered. NMOCD was notified of the release on January 12th, 2015, and an initial C-141 was submitted for their approval (Appendix A). NMOCD approved the initial C-141 on January 12th, 2015.

BEST personnel were on site to visually assess the release on January 19th, 2015. The release was mapped (Figure 1) and photographed (Appendix C). On November 12th, 2015, samples were taken at the surface and with depth and sent to a commercial laboratory for analysis (Appendix B). Laboratory analysis of Pt.1 at 6" returned chloride value of 8,260 mg/kg and a Gasoline Range Organics (GRO) value of 32.8 mg/kg and Diesel Range Organics (DRO) value of 987 mg/kg and BETEX value of 0.940 mg/kg, at 1.5" chloride value of 176 mg/kg and a Diesel Range Organics (DRO) 224 mg/kg and Gasoline Range Organics (GRO) and BETEX values of non detect, Pt. 2 Surface returned chloride value of 672 mg/kg and a Gasoline Range Organics (GRO) value of non detect and Diesel Range Organics (DRO) value of 11,100 mg/kg and BETEX value of 0.834 mg/kg, at 6" returned chloride value of 160 mg/kg and a Gasoline Range Organics (GRO) value of 277 mg/kg and Diesel Range Organics (DRO) value of 4,310 mg/kg and BETEX value of 13.8 mg/kg.

A Corrective Action Plan (CAP) was submitted to NMOCD and BLM on December 12th, 2015 and approved by both NMOCD and BLM the same day. Basin recommended that the release will be scraped down to 1.5 feet bgs around point 1 and 1 foot bgs around point 2. Once the scrape is completed, discreet samples from the bottom of the scrape will be taken and field tested for chlorides and organic vapors. If the field data indicates that the samples will not achieve chloride, Gasoline Range Organics (GRO), Diesel Range Organics (DRO) and BTEX readings below regulatory standards, the scrape will be deepened until field testing indicates that all constituents from the discreet samples will return values below regulatory standards. The discreet samples will then be taken to a commercial laboratory to confirm that all constituents return readings are below regulatory standards.

All excavated soils will be taken to a NMOCD approved facility for disposal. Clean caliche will be imported to the site to serve as backfill. A sample of the imported caliche will be taken to a commercial laboratory to confirm that the chloride reading is below regulatory standards. The scrape will be backfilled with the clean, imported caliche and contoured to the surrounding location.

CAP activities began January 5th, 2016 and the area around point 1 was excavated to a depth of one and one-half (1.5) feet bgs. A discreet sample was collected from the base of the scrape and taken to a commercial laboratory for analysis. The point 1 sample @1.5' returned a chloride result of <16 mg/kg, a GRO/DRO of <10 mg/kg and a BTEX of <0.3 mg/kg. The area around point 2 was scraped to a depth of one (1) foot, but field testing indicated that a sample would not achieve reading below regulatory standards. The area around point 2 was then scraped to a depth of one and one-half (1.5) feet bgs. A discreet sample was collected from the base of the scrape and taken to a commercial laboratory for analysis. The point 2 sample @1.5' returned a chloride result of <16 mg/kg, a GRO/DRO of <10 mg/kg and a BTEX of <0.3 mg/kg. Approximately 55 yards was exported to an NMOCD approved facility for disposal. On January 8th, 2016 a backfill request was sent to NMOCD and BLM and approved by both NMOCD and BLM the same day. Approximately 55 yards caliche was imported for backfill. A sample of the imported soil was collected and taken to a commercial laboratory for analysis. The imported sample returned a chloride result of 144 mg/kg. Site was backfilled with imported caliche and contoured to the surrounding area.

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

Given that CoP has completed the work stated in the NMOCD 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 contact me if you have any questions or wish to discuss the site.

Sincerely,

hyle Norm

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

Attachments:

Figure 1 – Site Map

Appendix A – Initial C-141

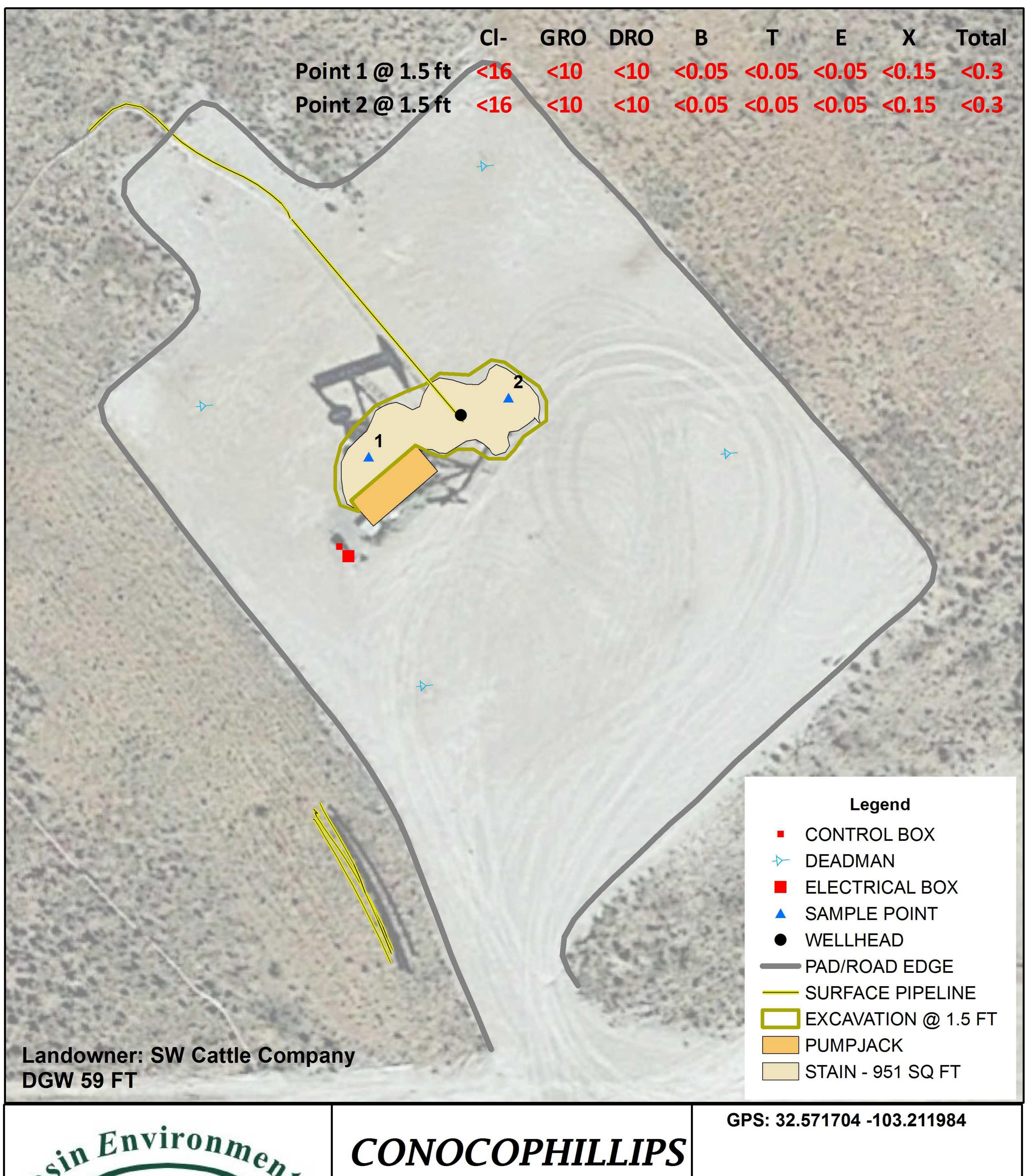
Appendix B – Laboratory Analysis

Appendix C – Photo Documentation

Appendix D – Final C-141

Figures

Excavation

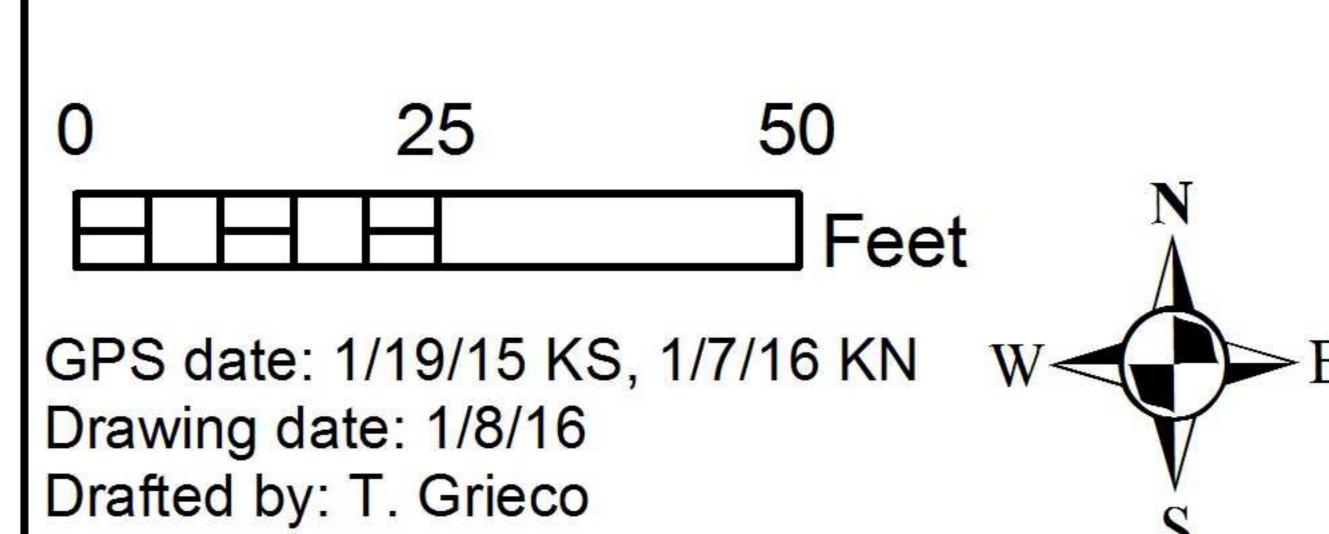




SEMU 180

(1RP-3500)

LEGALS: UL/ L SEC. 13 T-20-S R-37-E LEA COUNTY, NM



Appendix A Intial C-141

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., 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

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

JAN 1 2 2015 220 South St. Francis Dr. Santa Fe, NM 87505

Form C-141

Revised August 8, 2011

		le	Rele	ease Notific	catio	n and Co	orrective A	ction					
				<u> </u>		OPERA'		Σ	Initi	al Report		Final Repor	
		onocoPhillip					encer Cluff	40				*****	
Facility Na		st Country R	load			Facility Typ	No. 575-746-72	48					
					I	racinty Typ	e. wen						
Surface Ow	ner: NMO	CD		Mineral C	Owner:	BLM			API No	. 30-025-	3918	9	
				· · · · · · · · · · · · · · · · · · ·		N OF RE	LEASE						
Unit Letter	Section 13	Township 20S	Range 37E	Feet from the 2139	North South	n/South Line	Feet from the 501	East/We West	st Line	County LEA			
Latitude 3	2.5717013	3416412 Lon		03.2119708966	31			.1					
			Ü			OF REL	EASE						
Type of Rele							Release: 6.57 BI			Recovered: 3			
Source of Re	lease: trans	fer pump intak	e line			I	Hour of Occurrence	I		Hour of Dis		У	
Was Immedi	ate Notice (Given?				If YES, To	15 7:30 am		71/09/20	015 12:00	pm		
, as mineur			Yes [No Not Re	equired	Tomas Ol	erding .						
D 1/1 0.0	S CI	00				Solomon I		40.05					
By Whom? S Was a Water							Hour: 01/12/2015		ourse				
Was a Water	course reac		Yes 🛚] No		n ies, v	nume impacting	ine watere	ourse.				
If a Watercou	ırse was Im	pacted, Descri	be Fully.	k									
Describe Ca	ause of Pro	blem and Re	medial /	Action Taken.*									
180 occurr	ed. A val	ve on produ	uction tu	- SEMU 180 - bing was oper							ak at	the SEMU	
Describe Ar	ea Affecte	d and Cleanu	p Action	Taken.*									
				nes in depth wi the caliche pa									
regulations a public health should their or or the environ	If operators or the environment operations homent. In a	are required to ronment. The tave failed to a	o report ar acceptance adequately OCD accep	e is true and comp nd/or file certain r ce of a C-141 repo investigate and r otance of a C-141	elease of ort by the emedia	notifications a he NMOCD mate contaminat	nd perform correct parked as "Final R ion that pose a three the operator of	ctive action Report" doe reat to grou responsibi	ns for rel es not rel and wate lity for c	eases which ieve the ope r, surface wa ompliance v	may rator of ater, h	endanger of liability numan health	
							OIL CON	SERVA	TION	DIVISIO	<u>NC</u>		
Signature: 5	pencer A. Clu	:46											
Printed Name		.,				Approved by	Environmental S	pecialist:					
		. Oldit				Approval Da	to: 1-1) = 1 =	Ev	niration	Date: ナ/2	-/c		
Title: LEAD	nje					Approvai Da	ic. 1 / ← / }	EX	phation	Date: - /2	د / .		
E-mail Addre	ess: spend	er.a.cluff@	conoco	ophillips.com		Conditions o	f Approval:	Polue vnoco	gus	Attached	[] -3.5.	2.0	
Date: 01/09/2	2015			Phone:575-746-72	248	John Ka	CC1419 3	7-12-15				-	

* Attach Additional Sheets If Necessary

77015012 40426

JAN 1 3 2015

P701501241144

Appendix B Laboratory Analysis



January 07, 2016

KYLE NORMAN

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: SEMU #180

Enclosed are the results of analyses for samples received by the laboratory on 01/06/16 8:10.

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 www.tceq.texas.gov/field/ga/lab accred certif.html.

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)

Celey D. Keene

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. Keene

Lab Director/Quality Manager



Analytical Results For:

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

 Received:
 01/06/2016

 Reported:
 01/07/2016

 Project Name:
 SEMU #180

Project Name: SEMU #180
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 01/05/2016

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 1 @ 1.5' (H600020-01)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/06/2016	ND	1.98	99.2	2.00	12.0	
Toluene*	< 0.050	0.050	01/06/2016	ND	2.01	101	2.00	12.6	
Ethylbenzene*	<0.050	0.050	01/06/2016	ND	1.86	93.2	2.00	12.3	
Total Xylenes*	<0.150	0.150	01/06/2016	ND	5.93	98.9	6.00	11.7	
Total BTEX	<0.300	0.300	01/06/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	73.6-14	0						
Chloride, SM4500CI-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	01/06/2016	ND	416	104	400	3.77	
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	01/06/2016	ND	191	95.5	200	6.36	
DRO >C10-C28	<10.0	10.0	01/06/2016	ND	194	97.1	200	2.66	
Surrogate: 1-Chlorooctane	113 9	6 35-147	,						
Surrogate: 1-Chlorooctadecane	107 9	% 28-171							

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



ARDINAL LABORATORIES

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

Relinquis Nedray:	1	Relinquished By	PLEASE NOTE: Liability analyses, All claims includ service. In no event shall of								H000000	Lab I.D.	FOR LAB USE ONLY	Sampler Name:	Project Location	Project Name:	Project #:	Phone #: 575-393-2967	city: Hobbs	Address: 419	Project Manage	Company Name:
sy: U		Object of some or some become	d clie							PT.1 @1.5'		Sample I.D.		JKAMPLAIN	Project Location: SEMU #180		Project Owner:		State: NM	419 W Cain	Project Manager: Kyle Norman	3: ConocoPhillips
Ace	0	16 Rege	by for any daim an thall be deemed wa notuding without lim der by Cardinal, red		+					(2)		RAB OR (C)OMP	Þ.				wner:	Fax #: 575-393-0293	M Zip: 88240			
MCEINED DY.	Muc	Received By:	nt's exclusive remedy for any claim artising whether based in contract or azaza, whatsoever shall be deemed waived unless made in witting and of yearnal damages, including without limitation, business interruptions, lor of sendores thereunder by Cardinal, reparders of whether such claim is							<	GR	OUNDWATER ASTEWATER	MATRIX					3	8240			
	SHEWSON	Z	contract or tort, shall be limited to the amount paid by the client for the fing and received by Cardinal within 30 days after completion of the pitone, loses of use, or loses of profits incurred by client, its subsidiarie claim is based upon any of the above stated reasons or otherwise.							_	AC ICI	UDGE "HER: ID/BASE: E / COOL "HER:	PRESERV.	Fax #: 575-393-0293	Phone #: 575-393-2967	State: NM Zi	City: Hobbs	Address: 419 W Cain	Attn:	Company: Basin	P.O. #:	BILL TO
<u> </u>			he amount paid by the amount paid by the in 30 days after comes incurred by client, bove stated reasons							1/5/16 0	DATE		SAMPLING	0293	393-2967	Zip: 88240		N Cain		3.		. 70
knorman@ba	REMARKS:	Phone Result: Fax Result:	he client for the pletion of the ap its subsidiaries or otherwise.				_			03:00	TIME			hl	ori	do	-					
	21110	- 1	plicable	H	+	+	+	+	H	-	+	7	_		80			1	_	_	-	1
asin	•	□ Yes		H		+	+	+	H	_	+			_	TE	_	, 10	-		_		1
env.		No No		H			+	+			+		Te	-	as	_	Н			_		1
om;		Ado		H	+		+	+	+	+	t	Comple	_	_					nio	ns		R
jkam		Add'l Phone #: Add'l Fax #:		H							t	Compi			D		10,	,		110		ANALYSIS
ıplair		*				П					T											
knorman@basinenv.com; jkamplain@basinenv;				F							+								_	_		REQUEST
env;				F							+											-
											1											1

080

Sample Condition
Cool Intact
Tes 1 Tes
No No No

environmental tech:

@basinenv

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:



January 07, 2016

KYLE NORMAN

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: SEMU #180

Enclosed are the results of analyses for samples received by the laboratory on 01/06/16 8:10.

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 www.tceq.texas.gov/field/ga/lab accred certif.html.

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)

Celey D. Keene

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. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To: (575) 396-1429

Received: 01/06/2016

Reported: 01/07/2016

Project Name: SEMU #180
Project Number: NONE GIVEN

Project Location: NOT GIVEN

Sampling Date: 01/05/2016

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: PT. 2 @ 1.5' (H600021-01)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/06/2016	ND	1.98	99.2	2.00	12.0	
Toluene*	< 0.050	0.050	01/06/2016	ND	2.01	101	2.00	12.6	
Ethylbenzene*	<0.050	0.050	01/06/2016	ND	1.86	93.2	2.00	12.3	
Total Xylenes*	< 0.150	0.150	01/06/2016	ND	5.93	98.9	6.00	11.7	
Total BTEX	<0.300	0.300	01/06/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4 9	% 73.6-14	0						
Chloride, 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	01/06/2016	ND	416	104	400	3.77	
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	01/06/2016	ND	191	95.5	200	6.36	
DRO >C10-C28	<10.0	10.0	01/06/2016	ND	194	97.1	200	2.66	
Surrogate: 1-Chlorooctane	114 %	6 35-147	,						
Surrogate: 1-Chlorooctadecane	117 %	6 28-171							

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Kreene



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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

2111 Beechwood, Abilene, TX 79603

Sampler Name: JKAMPLAIN Phone #: 575-393-2967 City: Hobbs Project Manager: Kyle Norman Company Name: Project Location: SEMU #180 Project Name: Address: 419 W Cain **LO339H** Lab I.D. PT.2 @1.5 ConocoPhillips 505) 393-2326 FAX (505) 393-2476 Sample I.D. Project Owner: Fax #: 575-393-0293 Zip: 88240 (G)RAB OR (C)OMP # CONTAINERS (325) 673-7001 FAX (325)673-7020 GROUNDWATER WASTEWATER MATRIX SOIL OIL SLUDGE OTHER Fax #: 575-393-0293 Phone #: 575-393-2967 State: NM Zip: 88240 City: Hobbs Attn: Company: Basin Address: 419 W Cain P.O. #: ACID/BASE PRESERV. ICE / COOL OTHER: BILL TO 1/5/16 DATE SAMPLING 03:10 TIME Chlorides TPH 8015 M BTEX Texas TPH ANALYSIS Complete Cations/Anions **TDS** REQUEST

Sample Condition
Cool Intact
Pes Pes
No No

environmental tech:

@basinenv

knorman@basinenv.com; jkamplain@basinenv;

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Time:

Received By:

Relinquished By:

PLEASE NOTE: Liability and Dama analyses. All claims including those service. In no event shall Carding to

I attising whether based to contract or fort, aron we minute an advantage after completion of the appli waived unless made in writing and received by Cardinal within 30 days after completion of the appli femination, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries

Phone Result: Fax Result: REMARKS:

□ Yes

No No

Add'l Phone #: Add'l Fax #:

email results:

Relinquished By

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-24t/2



January 20, 2016

KYLE NORMAN

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: SEMU #180

Enclosed are the results of analyses for samples received by the laboratory on 01/15/16 15:10.

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 www.tceq.texas.gov/field/ga/lab accred certif.html.

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)

Celey D. Keene

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. Keene

Lab Director/Quality Manager



Analytical Results For:

Basin Environmental Service

KYLE NORMAN P.O. Box 301

Lovington NM, 88260

Fax To: (575) 396-1429

Received: 01/15/2016 Sampling Date: 01/12/2016

Reported: 01/20/2016 Sampling Type: Soil

Project Name: SEMU #180 Sampling Condition: ** (See Notes)
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: IMPORTED SOIL (H600086-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/18/2016	ND	416	104	400	0.00	

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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



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 whistoever 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 related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

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: ConocoPhillips		BILL 70		1	1		ANALYSIS	SISY		REQUEST	
Project Manager: Kyle Norman		P.O. #:		4	_	4	_	_	- 1		
Address: 419 W Cain		Company: Basin			_		s				
City: Hobbs State: NM	Zip: 88240	Attn:		_			on				
Phone #: 575-393-2967 Fax #: 575-393-0293	3-0293	Address: 419 W Cain		_			۱ni				
Project #: Project Owner:	a	City: Hobbs	_	M	_	 	s/F				_
Project Name:		State: NM Zip: 88240	_		_	PI	ons				
Project Location: SEMU #180		57	rid		$E\rangle$	s T	itic)S			
Sampler Name:		Fax #: 575-393-0293	nlo		_	as	Ca	T			
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	Ch	PH		Гех	te				
Lab I.D. Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	TIME	Т			Comple				
Imported soil	1	1-12-16	9:30	Ц	Ц		Ц		Ц		
						\perp					
				_	_						
TENDE TO IT. LINUTING AND UNITED AND THE CHART STATES AND THE CHART STAT	ny claim arising whether based in contract learned waived unless made in writing and without limitation, business interruptions, ardinal, regardless of whether such claim i	nitract or for, shall be limited to the amount paid by nig and received by Cardinal within 30 days after or tons, loss of use, or loss of profits incurred by cite claim is baged upon any of the above stated reaso claim is baged upon any of the above stated reaso	paid by the client for the fifter completion of the applicable by client, its subsidieries, reasons or otherwise.								
Relinquishes By: Date: Time: 110	Received By:		uft	□ Yes	No No		Add'l Phone Add'l Fax #:	x #:			
Relinquished By: Time:	Received By:		email results: knorman@ba	s: basir	lenv	.con	1; jk	dur	lain(email results: knorman@basinenv.com; jkamplain@basinenv;	
Delivered By: (Circle One)	Sample Condition	CHECKED BY:									_

Sample Condition
Cool Intact

Yes Yes
No No

Sampler - UPS - Bus - Other:

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

Appendix C Photo Documentation

ConocoPhillips SEMU #180

Unit Letter L, Section 13, T20S, R37E



Initial release area, facing northwest

1/19/15



Initial release area, facing north

1/19/15



Initial release area, facing south

1/19/15



Initial Sampling Photo, Facing South

11/12/15



Excavating, Facing South West

1/5/16



Excavation Photo, Facing South West

1/7/16



Backfilling Site, Facing North East

1/12/16



Final Photo, Facing South

1/18/16

Appendix D Final C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

* Attach Additional Sheets If Necessary

State of New Mexico **Energy Minerals and Natural Resources**

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.

Release Notification	on and Co	orrective A	ction						
	OPERA	TOR	[Initia	al Report	\boxtimes	Final Report		
Name of Company: ConocoPhillips	Contact: Sp	encer Cluff							
Address: 1410 N West Country Road	Telephone	No. 575-746-72 4	48						
Facility Name: SEMU 180	Facility Typ	pe: Well							
Surface Owner: NMOCD Mineral Owne	r: BLM			API No	. 30-025-3	39189			
	ON OF RE	LEASE							
Unit Letter Section Township Range Feet from the Nor L 13 20S 37E 2139 Sou	rth/South Line ith	Feet from the 501	East/Wo	est Line	County LEA				
Latitude 32.5717013416412 Longitude 103.211970896631	E OF REL			***************************************					
Type of Release: Spill		Release: 6.57 BB	RI S	Volume I	Recovered: 3	BBIC			
Source of Release: transfer pump intake line		Hour of Occurrence			Hour of Dis				
-	01/09/20	15 7:30 am	4		115 12:00				
Was Immediate Notice Given?	If YES, To		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,					
☐ Yes ☐ No ☐ Not Require	Tomas Ol Solomon								
By Whom? Spencer Cluff			10:35 am	 					
Was a Watercourse Reached?	Date and Hour: 01/12/2015 10:35 am If YES, Volume Impacting the Watercourse.								
☐ Yes ⊠ No									
If a Watercourse was Impacted, Describe Fully.*									
Describe Cause of Problem and Remedial Action Taken.* On F	riday, January 9), 2015 at the SEM	IU 180 a	leak occu	rred on a pre	essure g	gauge		
resulting in a release of 2.25 bbls of oil and 4.32 bbls of produced wate Describe Area Affected and Cleanup Action Taken.* CAP activities be	r with 2 bbls of	oil and 1 bbl of pr	roduced v	vater bein	g recovered.	,			
and one-half (1.5) feet bgs. A discreet sample was collected from the base of the scrape and taken to a commercial laboratory for analysis. Sample point 1 @1.5' returned a chloride result of <16 mg/kg, a GRO/DRO of <10 mg/kg and a BTEX of <0.3 mg/kg. The area around point 2 was scraped to a depth of one (1) foot, but field testing indicated that a sample would not achieve reading below regulatory standards. The area around point 2 was then scraped to a depth of one and one-half (1.5) feet bgs. A discreet sample was collected from the base of the scrape and taken to a commercial laboratory for analysis. Sample Point 2 @1.5' returned a chloride result of <16 mg/kg, a GRO/DRO of <10 mg/kg and a BTEX of <0.3 mg/kg. Approximately 55 yards was exported to an NMOCD approved facility for disposal. On January 8th, 2016 a backfill request was sent to NMOCD and BLM and approved by both NMOCD and BLM the same day. Approximately 55 yards caliche was imported for backfill purposes. A sample of the imported soil was collected and taken to a commercial laboratory for analysis. The imported sample returned a chloride result of 144 mg/kg. Site was backfilled with imported caliche and contoured to the surrounding area.									
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.									
Signature:		OIL CONS	SERV <i>A</i>			<u>N</u>			
Printed Name: Kobert Dobbs	Approved by	Environmental S _I	pecialist:	Jamit	-Viye^				
Title: SENM Surface Projects Supervisor	Approval Da	05/17/2016 te:	Ez	xpiration	Date: ///				
E-mail Address:	Conditions o	f Approval:							
Kobert. A. Dobbs @ Conoco Phillips . com	Ensure BLM	concurrence/appr	oval		Attached				
Date: 5/10/16 Phone: 281-455-0821					1RP 3500				