



CONOCOPHILLIPS

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

Warren Unit Satellite 5 (1RP-3486)

Termination Request

API No. 30-025-30473

Release Date: January 3rd, 2015

Unit Letter F, Section 28, Township 20S, Range 38E



PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

May 18th, 2016

Jamie Keyes

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

> RE: Corrective Action Plan ConocoPhillips Warren Unit Satellite 5 (1RP-3486) UL/F sec. 28 T20S R38E API No. 30-025-30473

Mr. Keyes:

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

Background and Previous Work

The site is located approximately 8.3 miles southwest of Monument, New Mexico at UL/F sec. 28 T20S R37E. NM OSE, BLM and Basin installed monitor well records indicate that groundwater will likely be encountered at a depth of approximately 62 +/- feet.

On January 3rd, 2015, CoP discovered a release from a transfer pump intake line. A total of 15.67 barrels of oil was released over 2,278 sq ft of caliche pad and pasture land with an overspray of 139 sq ft on the caliche pad. None of this fluid was recovered. BLM and NMOCD were notified of the release on January 5th, 2015, and an initial C-141 was submitted to both parties the same day. NMOCD approved the initial C-141 on January 7th, 2015 (Appendix A).

Basin personnel were on site to assess the release January 6th, 2015. The release was mapped and photographed (Figure 1). On August 8th, 2015, samples were taken at the surface and with depth and sent to a commercial laboratory for analysis (Appendix B). Laboratory analysis of Point 1 at the surface returned a chloride value of 1,740 mg/kg, Gasoline Range Organics (GRO), Diesel Range Organics (DRO) and BTEX values of non-detect. At 1 ft bgs, Point 1 returned a chloride reading of 48 mg/kg, GRO, DRO and BTEX values of non-detect. Laboratory analysis of Point 2 at the surface returned a chloride reading of 144 mg/kg, a GRO value of non-detect, a DRO value of 5,000 mg/kg and BTEX values of non-detect. At 6 in bgs, Point 2 returned a chloride value of non-detect, a GRO value of non-detect, a DRO reading of 2,520 mg/kg and BTEX values of non-detect.

A Corrective Action Plan (CAP) was submitted to NMOCD and BLM on September 30th, 2015 and was approved by NMOCD and by BLM on October 1st, 2015. Basin recommended that the release be scraped to a depth of 1 ft bgs. . 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 composite 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 bottom composite will return values below regulatory standards. The bottom composite will then be taken to a commercial laboratory to confirm that all constituents return readings are below regulatory standards.

All excavated soil will be taken to a NMOCD approved facility for disposal. Clean soil will be imported to the site to serve as backfill. A sample of the backfill soil will be taken to a commercial laboratory to confirm that the chloride reading is below regulatory standards. The lease pad will be backfilled with clean, imported caliche and the pasture will be backfilled with clean, imported top soil. The site will be contoured to the surrounding location. The pasture area will be seeded with a blend of native vegetation.

CAP activities began on November 19th, 2015. The release was scraped to a depth of 1 ft bgs and 2 discreet samples were obtained from the base of the scrape and sent to a commercial laboratory for analysis (Appendix B). The discreet sample at Pt.1 @1' returned a chloride result of <16 mg/kg, GRO and DRO value of <10 mg/kg and a BTEX value of <.03 mg/kg. The discreet sample at Pt.2 @1' returned a chloride result of 64 mg/kg, GRO value of 829 mg/kg, DRO value of 2160 mg/kg and a BTEX value of <.03 mg/kg. The scrape around Pt.2 was then deepened to a depth of 1.5', then a discreet sample was obtained from the base of the 1.5' scrape and taken to a commercial laboratory for analysis. The discreet sample at Pt.2 @1.5' returned a chloride result of <16 mg/kg, GRO value of <10 mg/kg, DRO value of 426 mg/kg and a BTEX value of <.03 mg/kg. Approximately 100 yards was exported to a NMOCD approved facility for disposal. On November 30th, 2015 a request to backfill was submitted to NMOCD and BLM. Basin received backfill approval from NMOCD and from BLM on the same day. Approximately 20 yards top soil and 8 yards caliche were imported to backfill. A sample was taken of the imported soil and sent to a commercial laboratory for analysis. The imported sample returned a chloride result of <16 mg/kg. The scrape was then backfilled with imported materials and contoured to the surrounding area. The pasture area was seeded with native vegetation.

Photo documentation of these activities can be found in Appendix C.

Given that the CAP activities have been completed as approved by NMOCD and BLM, Conoco Phillips respectfully request 'remediation termination' and site closure. The 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 – Proposed Scrape

Appendix A – Initial C-141

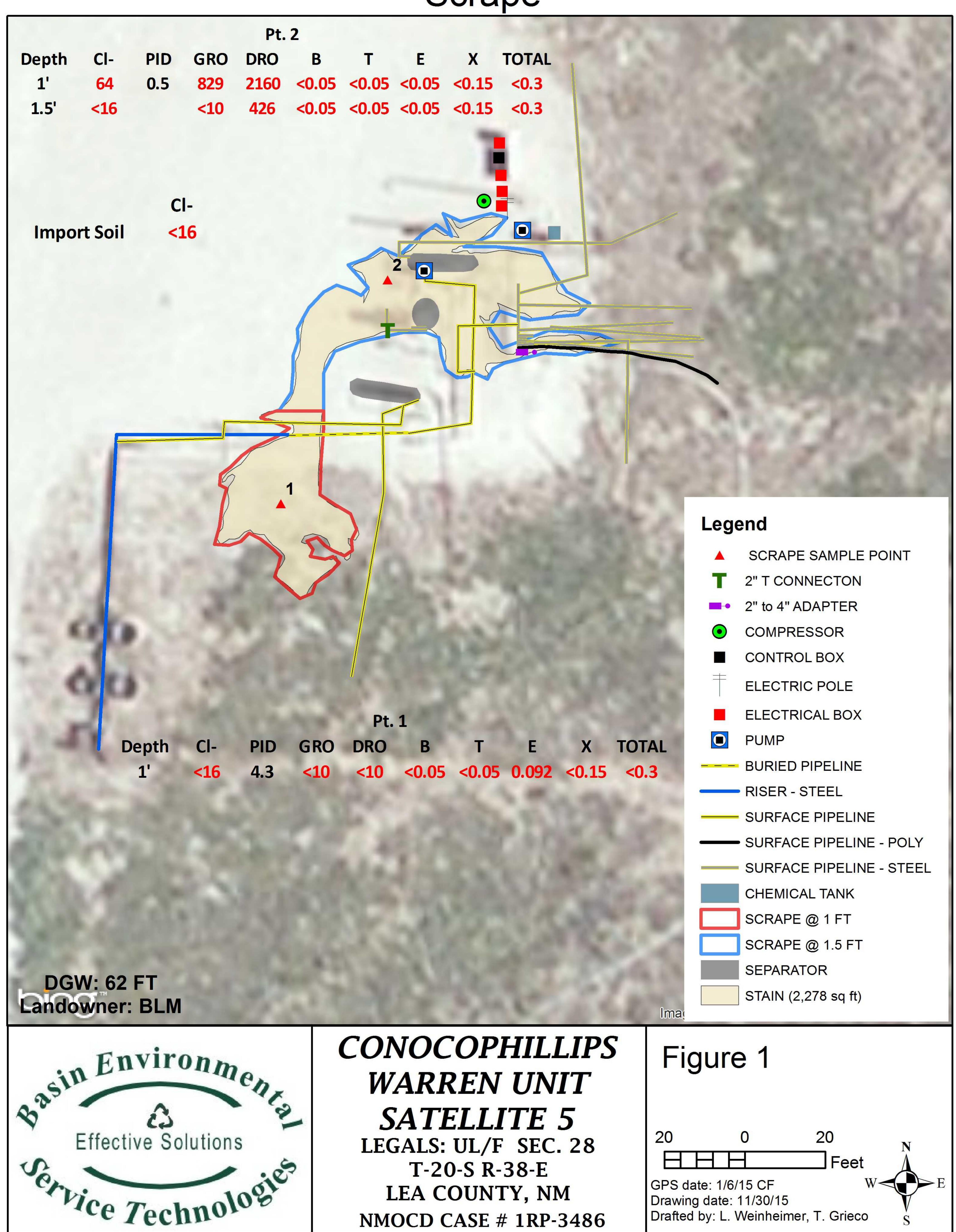
Appendix B – Laboratory Analysis

Appendix C – Photo Documentation

Appendix D- Final C-141

Figures

Scrape



Appendix A Intial C-141

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II Bil 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 Minerals and Natural Resources

Revised August 8, 2011

Form C-141

JAN 6 7 201220 South St. Francis Dr. Santa Fe, NM 87505

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

Release Notification and Corrective Action

			-			OPERA	TOR		M Initia	al Report		Final Report
Name of Co	mpany: Co	onocoPhilli	ps		(Contact: Sp	encer Cluff					
Address: 14							lo. 575-746-72	48				
Facility Nan	ne: Warre	en Unit Sat	ellite 5		I I	Facility Typ	e: Satellite			, <u></u>		
Surface Owi	ner: NMO	CD		Mineral O	wner: I	BLM			API No	. 30-025-0	30473	
	-			LOCA	TION	OF REI	FASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	Fast/\	West Line	County		
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						OF RELI	EASE					
Type of Relea	ase: Spill						Release: 15.67 E	BBLS	Volume F	Recovered: (BBLS	3
Source of Rel		er pump intal	ke line			Date and H	our of Occurrence	ce	Date and	Hour of Dis	covery	
·							5 7:30 am		01/03/20	115 1:30 p	m	
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Describe Ca	use of Pro	blem and R	emedial A	Action Taken.*							•	
On Saturday	. January	3. 2015 at 1	330 hrs. N	MST, a spill occ	urred at	the Warrer	Unit Satellite	5. The	spill origin	nated from	the tra	ansfer pump
				ansfer pump and								
				for a total of 6.6								
will be reme								•			•	
Describe Area Affected and Cleanup Action Taken.*												
Describe Are	ea Affected	and Clean	up Action	Taken.*								.
Spill area v	vas 120 ft	. x 60 ft. x	1 inch de	eep for a total o	of 6.68	BO with no	one recovered	. The	spill rema	ained on t	he ca	liche pad.
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Printed Name	: Spencer A	A. Cluff			'	Approved by	Environmental S	specialis	st:		*	
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Title: LEAD	HSE				- 1	Approval Da	e: 1-7-15		Expiration	Date: محرسر	<u>-15</u>	
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Attach Addit	tional Shee	ets If Necess	sary									217817

NTO 15007 57228 JAN 0 8 2015 P701500757372

Appendix B Laboratory Analysis



November 23, 2015

KYLE NORMAN

BASIN ENVIRONMENTAL - HOBBS

419 W. CAIN

HOBBS, NM 88240

RE: WARREN UNIT SAT 5

Enclosed are the results of analyses for samples received by the laboratory on 11/20/15 11:16.

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)

Accreditation applies to public drinking water matrices.

Lope S. Moreno

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,

Hope S. Moreno For Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To: (575) 393-0293

Received: 11/20/2015 Sampling Date: 11/20/2015

Reported: 11/23/2015 Sampling Type: Soil

Project Name: WARREN UNIT SAT 5 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: PT 1 @ 1' (H503076-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2015	ND	1.86	93.2	2.00	1.39	
Toluene*	<0.050	0.050	11/20/2015	ND	2.11	105	2.00	1.48	
Ethylbenzene*	0.092	0.050	11/20/2015	ND	2.07	104	2.00	1.61	
Total Xylenes*	<0.150	0.150	11/20/2015	ND	6.17	103	6.00	1.73	
Total BTEX	<0.300	0.300	11/20/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/23/2015	ND	432	108	400	7.69	
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	11/20/2015	ND	203	102	200	1.41	
DRO >C10-C28	<10.0	10.0	11/20/2015	ND	206	103	200	0.0879	
Surrogate: 1-Chlorooctane	115 %	% 35-147	,						
Surrogate: 1-Chlorooctadecane	130 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.



Analytical Results For:

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

Fax To: (575) 393-0293

Received: 11/20/2015 Sampling Date: 11/20/2015

Reported: 11/23/2015 Sampling Type: Soil

Project Name: WARREN UNIT SAT 5 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: PT 2 @ 1' (H503076-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2015	ND	1.86	93.2	2.00	1.39	
Toluene*	<0.050	0.050	11/20/2015	ND	2.11	105	2.00	1.48	
Ethylbenzene*	<0.050	0.050	11/20/2015	ND	2.07	104	2.00	1.61	
Total Xylenes*	<0.150	0.150	11/20/2015	ND	6.17	103	6.00	1.73	
Total BTEX	<0.300	0.300	11/20/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	73.6-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/23/2015	ND	432	108	400	7.69	
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	829	50.0	11/20/2015	ND	203	102	200	1.41	
DRO >C10-C28	2160	50.0	11/20/2015	ND	206	103	200	0.0879	
Surrogate: 1-Chlorooctane	101 %	35-147	7						

Surrogate: 1-Chlorooctadecane 157 % 28-171

Cardinal Laboratories *=Accredited Analyte

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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

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ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 8824

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

(505) 383-2326 FAA (500) 393-2410	(320) 010-1001	(020)0101020		١	١		2010		
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Project Manager: Kyle Norman	<u>.</u>	P.O. #:			_	_		_	_
Address: 419 W Cain	CC	Company: Basin			_	ns	113		_
City: Hobbs State: NM Zip:	Zip: 88240 At	Attn:		_	_	nio	110		_
Phone #: 575-393-2967 Fax #: 575-393-0293		Address: 419 W Cain			_	Δr	/\l		
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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any dalim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All dalims 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	m arising whether based in contract or t d waived unless made in writing and rec	celved by Cardinal within 30 days after co	the client for the mpletion of the applicable	-	+	+	t		
service. In no event shall Cardinal be lable for incidental or consequence or services hereunder by consequence or services hereunder by Cardinal regardless of whether such claim is based upon any of the above stated restorts or otherwise. Phone Results Phone Phone Results Phone Phone Results Phone Pho	of services hereunder by Cardinal, regardless of whether such daim is based upon any of the above state	ased upon any of the above stated reason	7	Yes	N		d'I Phone	9 #	
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environmental tech:

@basinenv

Sampler - UPS - Bus - Other:

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



November 25, 2015

KYLE NORMAN

Basin Environmental Service

P.O. Box 301

Lovington, NM 88260

RE: WARREN UNIT SAT. #5

Enclosed are the results of analyses for samples received by the laboratory on 11/24/15 9:45.

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)

Accreditation applies to public drinking water matrices.

Lope S. Moreno

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,

Hope S. Moreno For 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: 11/24/2015 Sampling Date: 11/24/2015

Reported: 11/25/2015 Sampling Type: Soil

Project Name: WARREN UNIT SAT. #5 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: PT. 2 @ 1.5' (H503097-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/25/2015	ND	2.02	101	2.00	0.897	
Toluene*	< 0.050	0.050	11/25/2015	ND	2.00	99.9	2.00	1.29	
Ethylbenzene*	< 0.050	0.050	11/25/2015	ND	2.07	104	2.00	0.196	
Total Xylenes*	<0.150	0.150	11/25/2015	ND	6.10	102	6.00	0.168	
Total BTEX	<0.300	0.300	11/25/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/24/2015	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	11/25/2015	ND	191	95.5	200	0.827	
DRO >C10-C28	426	10.0	11/25/2015	ND	185	92.7	200	0.693	
Surrogate: 1-Chlorooctane	94.3	% 35-147	,						
Surrogate: 1-Chlorooctadecane	111 9	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.



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Samples reported on an as received basis (wet) unless otherwise noted on report

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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

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Company Name: Cono	ConocoPhillips				-		4	4	4	4	4	-	+	
Project Manager: Kyle Norman	Norman			P.O. #:				_	_	_		_	_	
Address: 419 W Cain	<u>ה</u>			Compan	Company: Basin		_		_	_	ns	_		
city: Hobbs	State: NM	Zip: 88240	40	Attn:			_			-	nio	_		
Phone #: 575-393-2967	67 Fax #: 575-393-0293	3-0293		Address	Address: 419 W Cain	5	_	_			Ar			
Project #:		a		City: Hobbs	bbs		_	N		H	ıs/			
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Sampler Name:	Thomph	3		Fax #: 5	ü		_	_	-	-	_		-	
FOR LAB USE ONLY	/		MATRIX	PRESERV.	ERV. SAMPLING	LING	_	P	_	_	ete	_		
Lab I.D.	Sample I.D.	AB OR (C)OMP.		DGE HER: D/BASE: / COOL	HER:			Т			Comple			
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PLEASE NOTE: Liability and Damages analyses. All claims including those for	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive renedy for any claim srising whether based in contract or bot, shall be limited to the amount para by ne creen so use pleases analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waited unless made in witing and received by Cardinal within 30 days after competen or if the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waited unless made in white gard loss of use, or loss of profits incurred by cleint, its subsidiaries	any claim arisin e deemed waive	ig whether based in con id unless made in writing tion, business interruption	tract or tort, shall b g and received by ons, loss of use, or	e limited to the amount cardinal within 30 days loss of profits incurred	it paid by the client for after completion of the by client, its subsidiar	e applicable	a						
service. In no event shall Cardinal or in affiliates or successors arising out of or	service. In no event shall custome up and the subject of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons of observes 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 of observes. Phone Res	Cardinal, regard	dess of whether such d	aim is based upon	any of the above state	Phone Result:	Ħ.	□ Yes	53	No	Add'l P	Add'l Phone #:		
Relinquished By:	1-21-15 Necessary	Y Nec		Z		Fax Result:		☐ Yes	13		Add'I Fax #:	ax #:		

† Cardinal cannot accept verbal changes. Please fax written changes to 505-391.2476

Sample Condition
Cool Intact
Yes Yes
No No

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

Date: Time:

Received By:

Phone Result: Fax Result: REMARKS:

email results:

cursanic@basinenv; sedwards@basinenv

@basinenv

jkamplain@basinenv; lflores@basinenv; lweinheimer@basinenv;

hconder@basinenv.com; knorman@basinenv.com;

environmental tech:

Relinquished By



December 10, 2015

KYLE NORMAN

BASIN ENVIRONMENTAL - HOBBS

419 W. CAIN

HOBBS, NM 88240

RE: WARREN UNIT SAT 5

Enclosed are the results of analyses for samples received by the laboratory on 12/04/15 10:08.

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 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)

Accreditation applies to public drinking water matrices.

Celey D. Keene

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 - HOBBS KYLE NORMAN 419 W. CAIN

HOBBS NM, 88240

Fax To: (575) 393-0293

Received: 12/04/2015 Sampling Date: 12/02/2015

Reported: 12/10/2015 Sampling Type: Soil

Project Name: WARREN UNIT SAT 5 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Judy Garcia

Project Location: NOT GIVEN

Sample ID: IMPORT SOIL (H503165-01)

Chi---id- CM4E00CL D

Chioride, SM4500CI-B	mg,	/ kg	Anaiyze	а ву: АР					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/08/2015	ND	400	100	400	0.00	

A I A D. ... A D

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

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Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL LABORATORIES

Company Name:	Sailling Cours											BILL	L TO						NAI	ANALYSIS		2	REQUEST		
Project Manager:	bornay								P.O. #:	#				Ц	4							\neg	\dashv		
Address:	1,000								Cor	Company:	iny				_				ıs						
City: Hobbs	State: NM		Zip: 88240	824	Ö				Attn:	3									ior					_	
Phone #:	Fax #:								Ado	Address:	S				_				٩n						
Project #:	Project Owner:	ner:							City:							M		Н	s//						
Project Name:									State:	te:			Zip:		_	15	X	ΓР	on	;					
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Sampler Name:	Kule Norman								Fax #:	*				_	_	3 F	ВТ	кa	C	TI			_	_	
FOR LAB USE ONLY	11/10	\dashv	┪	T		MA	MATRIX	^L		PRESERV	SEF	3	SAMPLING			가	E	ex	е				_		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER		OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME		TF		T	Complete						
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Sampler - UPS - Bus - Other		10.60	1	+	F	Yes	S	Yes		-	1	3	_												

Appendix C Photo Documentation

ConocoPhillips Warren Unit Satellite 5

Unit Letter F, Section 28, T20S, R38E



Initial release area, facing southwest

1/6/15



Initial release area, facing north

1/6/15



Initial release area, facing south

1/6/15



Excavating, facing south

11/19/15



Hand digging, facing south

11/24/15



Final scrape photo, facing north east

11/30/15



Final scrape photo, facing south east

11/30/15



Importing soil, facing south west



Backfilling pasture, facing west

12/2/15



Backfilling facility, facing north

12/2/15



Seeding pasture, facing north west

12/2/15



Final site photo, facing south east

12/2/15

Appendix D Final C-141

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

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.

			Rele	ease Notific	eation	and Co	rrective A	ction				
						OPERA	ГOR	Γ	☐ Initia	al Report	\boxtimes	Final Repor
Name of Co	ompany: C	onocoPhillij	os			Contact: Spe	encer Cluff	·····		<u>r</u>	<u>K-N</u>	
		t Country R					No. 575-746-72	48				
Facility Na	ne: Warr	en Unit Sate	ellite 5			Facility Typ	e: Satellite	. ,				
Surface Ow	ner: NMO	CD		Mineral C)wner: 1	BLM			API No	. 30-025-3	0473	
	·				OITA	OF REI	LEASE					
Unit Letter F	Section 28	Township 20S	Range 38E	Feet from the 1940	North/ North	South Line	Feet from the 2020	East/West	est Line	County LEA		
Latitude 3	2.5462164	601454 Lor	ngitude 1	03.1554699485	588				_ / / /			
						OF RELI	EASE					
Type of Rele							Release: 6.67 BE		Volume F	Recovered: 0	BBLS	
Source of Re	lease: transf	er pump intak	te line				lour of Occurrence 5 7:30 am			Hour of Disc 15 1:30 pr		
Was Immedi	ate Notice (Given?		· · · · · · · · · · · · · · · · · · ·		If YES, To			01/05/20	15 1.50 рі	.11	*****
			Yes 🗵	No 🗌 Not Re	equired	Tomas Ob						
Dv. Wham 9.6	' Cl	.cc				Solomon H			·			
By Whom? S Was a Water						Date and H	four: 01/05/2015 Dlume Impacting t	12:15 pm				
Was a Water	course reac		Yes 🗵	No		II IES, VO	nume impacing i	ne water	course.			
If a Watercon	ırse was Im	pacted, Descri	be Fully.	t		1						
Describe Cau	ise of Proble	em and Remed	dial Action	n Taken.* On S	aturday	, January 3,	, 2015 at 1330 h	rs. MST	, a spill o	ccurred at t	he Wa	arren Unit
Satellite 5.	The spill or	riginated fron	n the trar	isfer pump intak	e line.	All valves w	ere closed to the	e transfe	r pump a	nd separate	or, and	d the
transier pur	np power w The spill re	/as also disa mained on t	bied at tr	e electrical box e pad. The area	. Spill a	rea was 120) ft. x 60 ft. x 1 ii	nch deep	o for a tot	al of 6.68 B	O with	n none
Describe Are	a Affected a	and Cleanup A	Action Tak	en.* CAP activ	ities hee	an on Novem	ther 19th 2015 T	The releas	e was ser	ned to a den	th of 1	ft has and 2
discreet sam	oles were ob	tained from th	ne base of	the scrape and se	nt to a co	ommercial lab	oratory for analy	sis (Appe	endix B).	The discreet	sample	e at Pt 1 @1'
returned a ch	discreet samples were obtained from the base of the scrape and sent to a commercial laboratory for analysis (Appendix B). The discreet sample at Pt.1 @1' returned a chloride result of <16 mg/kg, GRO and DRO value of <10 mg/kg and a BTEX value of <.03 mg/kg. The discreet sample at Pt.2 @1' returned a chloride result of 64 mg/kg, GRO value of 829 mg/kg, DRO value of 2160 mg/kg and a BTEX value of <.03 mg/kg. The scrape around Pt.2 was then											
chloride resu	lt of 64 mg/	kg, GRO valu	e of 829 n	ng/kg, DRO value	of 2160) mg/kg and a	BTEX value of	<.03 mg/k	kg. The sc	rape around	Pt.2 w	as then
deepened to	a depth of 1.	5', then a disc	creet samp	le was obtained f	rom the	base of the 1.	5' scrape and take	en to a co	mmercial	laboratory fo	or anal	ysis. The
mg/kg. Appr	oximately 1	00 vards was a	a cilionuc exported t	result of <16 mg o a NMOCD appr	roved fac	U value of <1 vility for dien	.u mg/kg, DKU v osal On Novemb	aiue of 42 er 30th 3	26 mg/kg : 2015 o rec	and a BIEX	value	of <.03
to NMOCD a	and BLM. B	asin received	backfill a	oproval from NM	OCD an	d from BLM	on the same day.	Annroxi	mately 20	vards ton sc	III was sil and	S SUDMITTED S vards
caliche were	imported to	backfill. A sa	mple was	taken of the impo	orted soil	and sent to a	commercial labor	pratory for	r analysis.	The importe	ed sam	nle returned
a chloride res	sult of <16 n	ng/kg. The sci	rape was t	hen backfilled wit	th impor	ted materials	and contoured to	the surro	unding ar	ea. The pastu	ire area	a was seeded
with native v		nformation ai		i. 4	1_4_ 4_ 41	. 1	1 1 1 1		• . •			
regulations a	l operators	are required to	ven above vrenort ar	is true and comp d/or file certain r	iete to tr elease no	ie best of my	knowledge and u	nderstand	that purs	uant to NMC	CD ru	iles and
public health	or the envir	onment. The	acceptance	e of a C-141 repo	ort by the	NMOCD ma	arked as "Final R	enort" do	es not reli	eve the oper	nay en	idanger Tighility
should their	perations h	ave failed to a	dequately	investigate and re	emediate	contamination	on that pose a thre	eat to gro	und water	surface wat	er hur	nan health
or the environ	nment. In a	ddition, NMO	CD accep	tance of a C-141	report do	oes not relieve	e the operator of i	responsib	ility for co	ompliance wi	ith any	other
federal, state,	or local lay	vs and/or regu	lations.		1		OII (10) 11	25577				
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Signature:	K	Je //	u		1				1			
	$\mathcal{L}_{\mathcal{L}}$,		Approved by	Environmental Si	necialist:	Jami	& lhyer		
Printed Name	»: K	obert 0	1000	<u> </u>								
Title: JEN	n Jun	face Pr	ojects	Supervis	or 1	Approval Dat	e: 05/18/201	6 Ex	xpiration l	Date: //		
E-mail Addre	ess:					Conditions of	Approval:					
Kobert	. A. Dos	bs @ 6,	roco P	hillips.co -455- Ø8	m		///			Attached		
Date: 5	10/16	Pho	one:281	-455-00	2 /					1RP 3486	5	
* Attach Addi		ts If Necessa	arv	1-1 70	- 1				· · · · · · · · · · · · · · · · · · ·	1,		