HOBBS OCD

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
Listrict IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 JUL 1 5 2014

Form C-141 Revised August 8, 2011

Submit 1 Copy to appropriate District Office in **RECEIVED** cordance with 19.15.29 NMAC.

			Rele	ase Notific	ation	and Co	rrective A	ction				
						OPERA 1	OR		☐ Initia	ıl Report		Final Report
		ConocoPhillip n Complex L				Contact Telephone N	fo	·				
Facility Nar		A 2F Header	ane			Facility Typ						
Surface Ow	ner BLM			Mineral C	wner	BLM			API No	. 3002500	0718	
						OF REI	FASE	*******				
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/V	Vest Line	County		
l l	27	17S	32E	1980	s	outh	1980	E	last	Lea		į
		•	Latitude	<u>2_32.80370756</u> 4	2669	Longitud	e103.752155	401928	· · · · · · · · · · · · · · · · · · ·	1		
		÷		_		OF RELI						•
Type of Rele				1 172 1	CICIS	Volume of	Release 11.7 BI			Recovered		
Source of Re	lease 2 inc	h steel flow li	ne			Date and H 10/17/13	our of Occurrenc 7:20 am	e	Date and	Hour of Dis	covery	SAME
Was Immedia	ate Notice (V	No D No D	المستسما	If YES, To	Whom?					
By Whom?	X Yes No Not Required Trisha Bad Bear/Geoffrey Leking By Whom? David May Date and Hour 10/18/13 2:50 pm											
	By Whom? David May Was a Watercourse Reached? ☐ Yes ☑ No. Date and Hour 10/18/13 2:50 pm If YES, Volume Impacting the Watercourse.											
	· 											
If a Watercou	irse was Im	pacted, Descr	ibe Fully.	•								
				n Taken.* Released from the Released from the Release to the Relea						s connected	to a 12'	'trunk line
Describe Are site beginning release area w	a Affected on Decemberer sampled	and Cleanup Aper 10 th , 2013 to lat the surface	Action Tales assess the and with d	ten.* The release as release. The release tepth. The samples	affected a ase was p were fie	total of 3,485 hotographed ld tested for c	square feet of lea and mapped. Begi hlorides and organ	se pad a inning or nic vapor	nd pasture land April 7th, 2 rs, and repre	2014, four possentative sa	oints wit	hin the ere taken to a
approved the Point 4 must b	CAP on Apr be excavated	il 16 th , 2014 ar I to 1.5 ft and s	nd NMOCI hown to be	aboratory data, a C D approved the CA e clean. Corrective c yards of contami	P on Apr	ril 22 nd , 2014. Degan at the si	BLM had one stip te on May 9th, 201	pulation 14. The:	as part of th site was scr	neir approval aped down b	. They s y hand a	stated that and backhoe
the base of ea results below composite sar	ch scrape, ir regulatory s nple from th	ncluding Point of tandards. A to be imported bas	4 as reques stal of 205 se coarse c	sted by BLM, and se cubic yards of base aliche and the impo	sent to a co e coarse or orted top	commercial la caliche and 80 soil were take	boratory for analyse cubic yards of top n to a commercial	sis. All p soil we laborate	constituents re imported ory for analy	from each s to the site to ysis. The im	ample poserve a ported b	oint returned is backfill. A ase coarse
RECS request	ed permissi filled on M	on to backfill t ay 27 th , 2014.	he site from The pastur	.2 mg/kg, and the in NMOCD and BL e area was backfill adding locations. O	M. BLN ed with t	I approved the imported to	e site to be backfil op soil and the leas	lled on N se pad w	lay 23 rd , 20 as backfille	14, and NMO d with the in	OCD appropried 1	proved the base coarse
seeded with B	LM mix #2				·							
regulations a	ll operators	are required t	o report a	e is true and comp nd/or file certain r	elease no	otifications a	nd perform correc	ctive act	ions for rel	eases which	may er	ndanger
public health	or the envi	ronment. The nave failed to	acceptant adequately	ce of a C-141 report investigate and r	ort by the emediate	NMOCD m contaminati	arked as "Final R on that pose a thr	leport" of reat to g	loes not rel round wate	ieve the ope	erator of ater, hu	liability man health
or the enviro	nment. In a		OCD accep	otance of a C-141								
Signature:	Lan	for		•		-	OIL CON	SERV	ATION	DIVISIO	<u>NC</u>	
Printed Name	E: SEAN	Liken	1 SON			Approved by	Environmental S	Specialis	t·			
Title:	PERATION		PEUS				e: 7-15-14		Expiration	Date:		<u>, </u>
E-mail Addre			BENGN	O Op. Com		Conditions of					. —	
Date: 1/	2/14			: 575-390-88			••			Attached 7-1	1 4-317	4
Attach Addi	tional Cha	ets If Necess									_	

JUL 1 5 2014

0grid 217819 NTO 1419639129 PTO 1419 639441



CONOCOPHILLIPS

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

MCA 2F Header

Termination Request

API No. 3002500718

Release Date: October 17th, 2013

Unit Letter J, Section 27, Township 17S, Range 32E



CONSULTING & SAFETY

PO Box 2948 | Hobbs, NM 88241 | Phone 575.393.2967

July 2nd, 2014

Tomáš 'Doc' Oberding, PhD

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

RE: Termination Request ConocoPhillips MCA 2F Header UL/J sec. 27 T17S R32E API No. 3002500718

Dr. Oberding:

ConocoPhillips (CoP) has retained Rice Environmental Consulting and Safety (RECS) to address potential environmental concerns at the above-referenced site.

Background and Previous Work

The site is located approximately 3.6 miles south of Maljamar, New Mexico at UL/J sec. 27 T17S R32E. NM OSE records indicate that groundwater will likely be encountered at a depth of approximately 65 +/- feet.

On October 17th, 2013, CoP discovered a release of 11.7 barrels of fluid from an abandoned 2 inch steel line connected to a 12 inch truck line by a butterfly valve. The butterfly valve leaked and the line was disconnected and replaced with a ball valve and plug. The release affected a total of 3,485 square feet of lease pad and pasture land. Five barrels of fluid was recovered from the site. NMOCD and BLM were notified of the release on October 18th, 2013 and an initial C-141 was sent to NMOCD for their approval (Appendix A).

RECS personnel were on site beginning on December 10th, 2013 to assess the release. The release was photographed and mapped. Beginning on April 7th, 2014, four points within the release area were sampled at the surface and with depth (Figure 1). The samples were field tested for chlorides and organic vapors, and representative samples were taken to a commercial laboratory for analysis (Appendix B).

Based on the laboratory data, a Corrective Action Plan (CAP) was submitted to NMOCD and BLM on April 15th, 2014. BLM approved the CAP on April 16th, 2014 and NMOCD approved the CAP on April 22nd, 2014. As part of the CAP, the release area would be scraped down one foot using a backhoe in the easily accessible areas and by hydrovac and by hand in the southern area of the release where active lines inhibit easy access. The remainder of the contamination from the release would be addressed during site abandonment. All excavated soils would be disposed of at a NMOCD approved facility. Clean soil would be imported to the site to serve as

backfill and to contour the site to the surrounding location. A sample of the imported soil would be taken to a commercial laboratory for analysis to confirm that the constituents are below regulatory standards. Soil amendments would be added to the pasture area as needed and then seeded with a blend of native vegetation.

BLM had one stipulation as part of their approval. They stated that Point 4 must be excavated to 1.5 ft and shown to be clean (Figure 2).

Corrective actions began at the site on May 9th, 2014. The site was scraped down by hand and backhoe as shown in the approved Corrective Action Plan Stipulations map (Figure 3). A total of 285 cubic yards of contaminated soil was taken to a NMOCD approved facility for disposal. A final sample was taken at the base of each scrape, including Point 4 as requested by BLM, and sent to a commercial laboratory for analysis (Appendix C). All constituents from each sample point returned results below regulatory standards. A total of 205 cubic yards of base coarse caliche and 80 cubic yards of top soil were imported to the site to serve as backfill. A composite sample from the imported base coarse caliche and the imported top soil were taken to a commercial laboratory for analysis. The imported base coarse caliche returned a laboratory chloride reading of 112 mg/kg, and the imported top soil returned a laboratory chloride reading of non-detect.

On May 22nd, 2014, RECS requested permission to backfill the site from NMOCD and BLM. BLM approved the site to be backfilled on May 23rd, 2014, and NMOCD approved the site to be backfilled on May 27th, 2014. The pasture area was backfilled with the imported top soil and the lease pad was backfilled with the imported base coarse caliche. Both areas were contoured to their surrounding locations. On May 30th, 2014, the scraped pasture area and the adjacent areas with little vegetation were seeded with BLM mix #2.

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

Given that the site was scraped in accordance with the approved CAP and backfilled with clean, imported soil, CoP respectfully requests 'remediation termination' and site closure. The remainder of the contamination from the release will be addressed during site abandonment. A final C-141 can be found in Appendix E.

RECS appreciates the opportunity to work with you on this project. Please call Hack Conder at (575) 393-2967 or me if you have any questions or wish to discuss the site.

Sincerely,

Lara Weinheimer Project Scientist

JC.W

RECS

(575) 441-0431

Attachments:

Figure 1 – Vertical Data

Figure 2 – Corrective Action Plan Stipulations

Figure 3 – Excavation Data

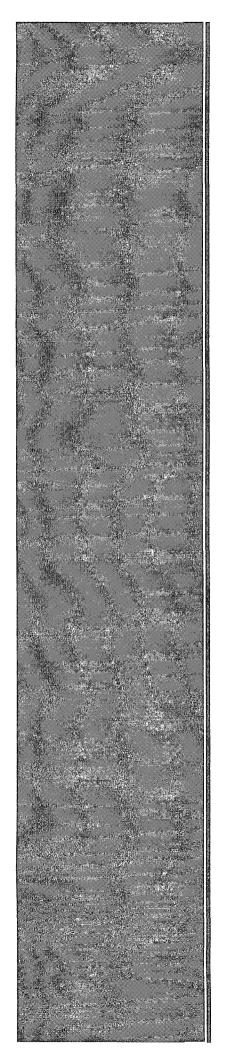
Appendix A – Initial C-141

Appendix B – Initial Sampling Labs

Appendix C – Excavation Sampling Labs

Appendix D – Photo Documentation

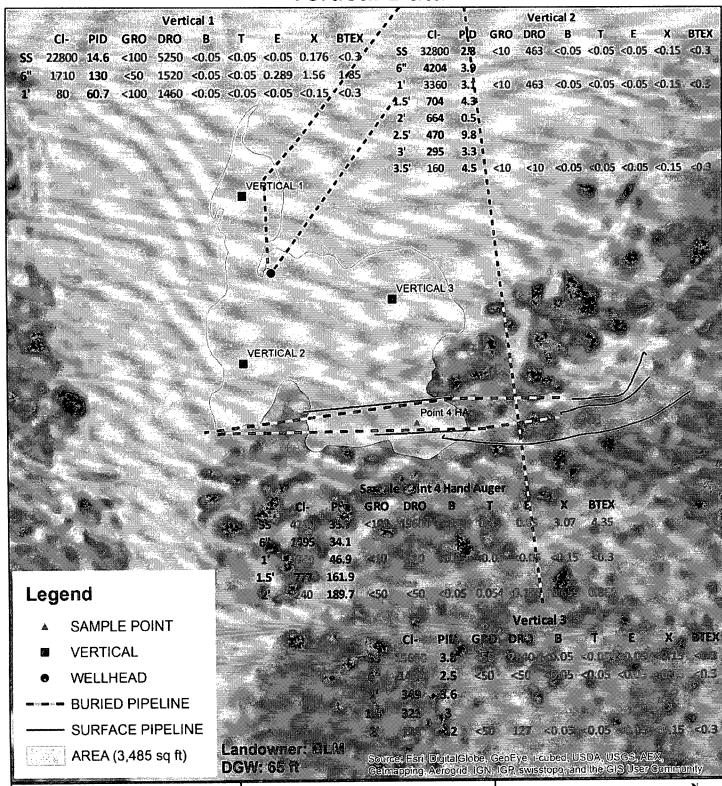
Appendix E – Final C-141



Figures

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948, Hobbs, NM 88241
Phone 575.393.2967

Vertical Data





CONOCOPHILLIPS | Figure 1 MCA 2F HEADER

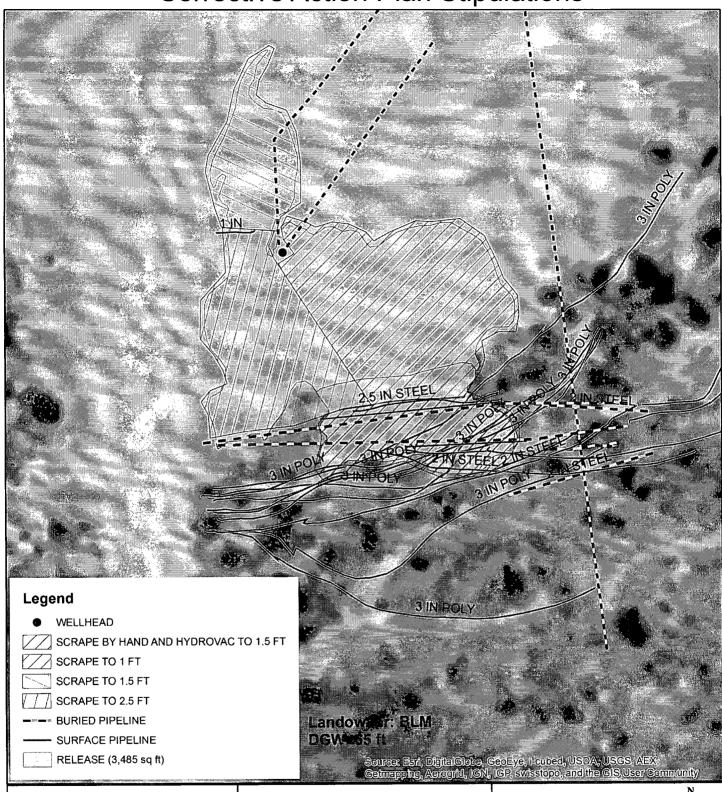
LEGALS: UL/J sec. 27 T-17-S R-32-E LEA COUNTY, NM



20 10 HHH Feet

> GPS date: 4/7/14 EC Drawing date: 4/9/14 Drafted by: C. Ursanic

Corrective Action Plan Stipulations





CONOCOPHILLIPS MCA 2F HEADER

LEGALS: UL/J sec. 27 T-17-S R-32-E LEA COUNTY, NM

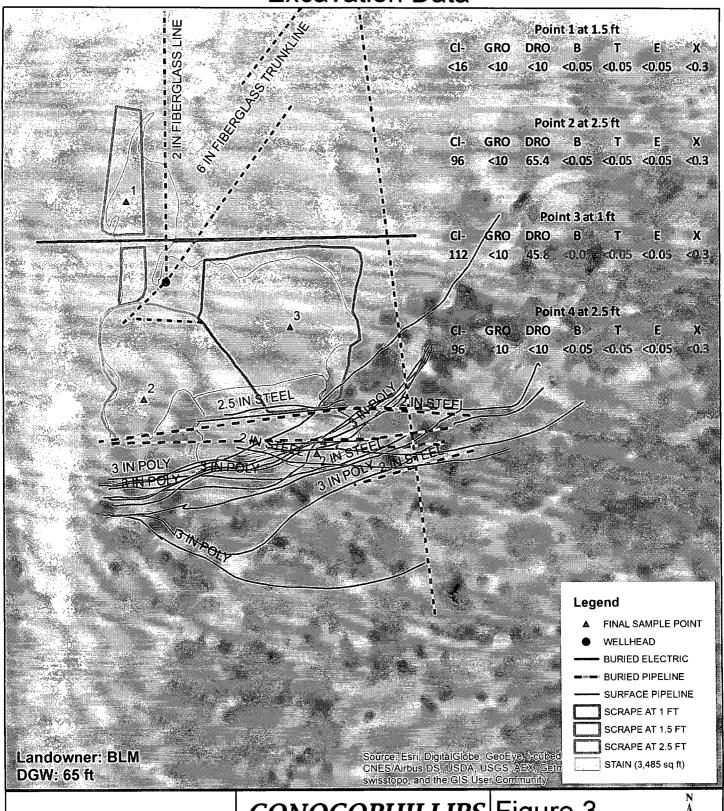
Figure 2



0 10 20 HHH Feet

> GPS date: 4/7/14 EC Drawing date: 4/22/14 Drafted by: L. Weinheimer

Excavation Data





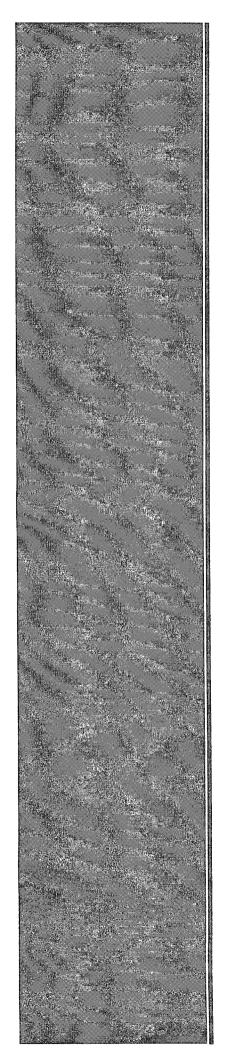
CONOCOPHILLIPS | Figure 3 MCA 2F HEADER

LEGALS: UL/J sec. 27 T-17-S R-32-E LEA COUNTY, NM





GPS date: 5/21/14 CF Drawing date: 5/22/14 Drafted by: L. Weinheimer



Appendix A Initial C-141

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

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

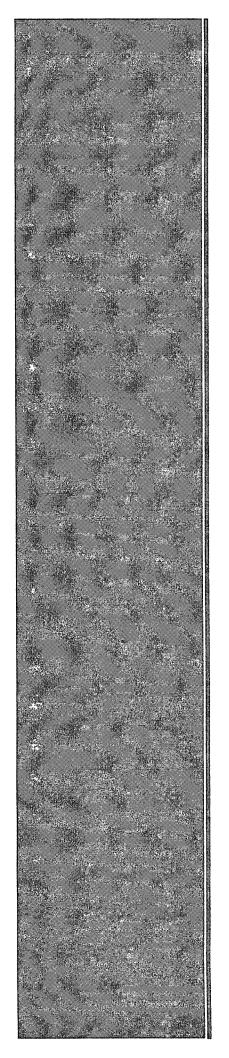
State of New Mexico Energy Minerals and Natural Resources

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 and Corrective Action OPERATOR Initial Report Final Report Contact: David May Name of Company: ConocoPhillips Address: 29 Vacuum Complex Lane Telephone No. 575-391-3106 Facility Name: MCA 2F Header Facility Type: Header Mineral OwnerBLM API No.3002500718 Surface Owner: BLM LOCATION OF RELEASE Feet from the North/South Line Feet from the East/West Line Township Unit Letter Section Range County 1980 South 1980 27 17S 32E East LEA J Latitude 32.8037075642669 Longitude -103.752155401928 NATURE OF RELEASE Volume of Release: 11.7 BBLS Volume Recovered: 5 BBLS Type of Release: Spill Source of Release: 2 inch steel flow line Date and Hour of Discovery Date and Hour of Occurrence 10/17/13 7:20 am SAME Was Immediate Notice Given? If YES, To Whom? Yes No Not Required Trish Bad Bear/Geoffrey Leking Date and Hour: 10/18/13 2:50 pm By Whom? David May If YES, Volume Impacting the Watercourse. Was a Watercourse Reached? ☐ Yes ☒ No If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* Release was caused by external corrosion. Abandoned line was connected to a 12" trunk line with a butterfly valve that was leaking. Line was disconnected from butterfly valve and was replaced with ball valve and plug. Describe Area Affected and Cleanup Action Taken.* . Affected area was 60 feet X 60 feet. Spill will be remediated according to BLM requirements. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. OIL CONSERVATION DIVISION Signature: Approved by Environmental Specialist: Printed Name: David May Title: LEAD HSE Approval Date: Expiration Date: Conditions of Approval: E-mail Address: david.d.may@conocophillips.com Attached 🗔 Phone: 575-391-3106 Date: 10/18/13

^{*} Attach Additional Sheets If Necessary



Appendix B
Initial Sampling Labs

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967



April 08, 2014

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: MCA 2 F HEADER

Enclosed are the results of analyses for samples received by the laboratory on 04/07/14 16:15.

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/qa/lab accredited 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.

Celeg D. Keine

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



RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received:

04/07/2014

Sampling Date:

04/07/2014

Reported:

04/08/2014

Sampling Type:

Soil

Project Name:

MCA 2 F HEADER

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Project Location: N

Sample Received By:

Jodi Henson

Sample ID: VERTICAL #1 SURFACE (H401054-01)

BTEX 8021B	mg/l	kg	Analyze	d By: MS			· · · · · · · · · · · · · · · · · · ·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2014	ND	2.13	106	2.00	3.71	
Toluene*	<0.050	0.050	04/08/2014	ND	2.17	108	2.00	4.04	
Ethylbenzene*	<0.050	0.050	04/08/2014	ND	2.16	108	2.00	4.18	
Total Xylenes*	0.176	0.150	04/08/2014	ND	6.29	105	6.00	4.72	
Total BTEX	<0.300	0.300	04/08/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	125 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/l	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	22800	16.0	04/08/2014	ND	416	104	400	0.00	
TPH 8015M	mg/l	kg	Analyze	d By: ms					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	04/08/2014	ND	188	94.2	200	2.05	
DRO >C10-C28	5250	100	04/08/2014	ND	206	103	200	1.70	
Surrogate: I-Chlorooctane	112 %	65.2-14	10	-			——————————————————————————————————————		
Surrogate: 1-Chlorooctadecane	228 %	63.6-15	i4						

*=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 subclidaries, 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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey L. Keine

Cardinal Laboratories



RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To:

(575) 397-1471

Received:

04/07/2014

Sampling Date:

04/07/2014

Reported:

04/08/2014

Sampling Type:

Soil

Project Name:

MCA 2 F HEADER

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NONE GIVEN

Sample ID: VERTICAL #1 6" (H401054-02)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2014	ND	2.13	106	2.00	3.71	
Toluene*	<0.050	0.050	04/08/2014	ND	2.17	108	2.00	4.04	
Ethylbenzene*	0.289	0.050	04/08/2014	ND	2.16	108	2.00	4.18	
Total Xylenes*	1.56	0.150	04/08/2014	ND	6.29	105	6.00	4.72	
Total BTEX	1.85	0.300	04/08/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	221 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1710	16.0	04/08/2014	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	04/08/2014	ND	188	94.2	200	2.05	
DRO >C10-C28	1520	50.0	04/08/2014	ND	206	103	200	1.70	
Surrogate: 1-Chlorooctane	108 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	111 9	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey & Keene



RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To:

(575) 397-1471

Received: Reported: 04/07/2014

04/08/2014

MCA 2 F HEADER

Project Number: Project Location:

Project Name:

NONE GIVEN NONE GIVEN

Sampling Date:

04/07/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: VERTICAL #1 1' (H401054-03)

BTEX 8021B	mg/l	c g	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2014	ND	2.13	106	2.00	3.71	
Toluene*	<0.050	0.050	04/08/2014	ND	2.17	108	2.00	4.04	
Ethylbenzene*	<0.050	0.050	04/08/2014	ND	2.16	108	2.00	4.18	
Total Xylenes*	< 0.150	0.150	04/08/2014	ND	6.29	105	6.00	4.72	
Total BTEX	<0.300	0.300	04/08/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	129 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/l	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/08/2014	ND	416	104	400	0.00	
TPH 8015M	mg/l	kg .	Analyze	d By: ms					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	04/08/2014	ND	188	94.2	200	2.05	
DRO >C10-C28	1460	100	04/08/2014	ND	206	103	200	1.70	
Surrogate: 1-Chlorooctane	102 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	169 %	63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine



RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received:

04/07/2014

Sampling Date:

04/07/2014

Reported:

04/08/2014

Sampling Type:

Soil

Project Name:

MCA 2 F HEADER

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Project Location:

NONE GIVEN

Jodi Henson

Sample ID: VERTICAL #2 SURFACE (H401054-04)

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	04/08/2014	ND	2.13	106	2.00	3.71	
Toluene*	<0.050	0.050	04/08/2014	ND	2.17	108	2.00	4.04	
Ethylbenzene*	<0.050	0.050	04/08/2014	ND	2.16	108	2.00	4.18	
Total Xylenes*	<0.150	0.150	04/08/2014	ND	6.29	105	6.00	4.72	
Total BTEX	<0.300	0.300	04/08/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	118 %	6 89.4-12	6		_			-	
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32800	16.0	04/08/2014	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	04/08/2014	ND	188	94.2	200	2.05	
DRO >C10-C28	463	10.0	04/08/2014	ND	206	103	200	1.70	
Surrogate: 1-Chlorooctane	96.6	% 65.2-14	10				.		
Surrogate: 1-Chlorooctadecane	96.9	% 63.6-15	14						

*=Accredited Analyte Cardinal Laboratories

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Celey D. Keine



RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM. 88240 (575) 397-1471

Fax To:

Received: Reported: 04/07/2014

04/08/2014

Project Name: Project Number: MCA 2 F HEADER NONE GIVEN

Project Location:

NONE GIVEN

Sampling Date: Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

04/07/2014

Jodi Henson

Sample ID: VERTICAL #2 1' (H401054-05)

BTEX 8021B

mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2014	ND	2.13	106	2.00	3.71	
Toluene*	<0.050	0.050	04/08/2014	ND	2.17	108	2.00	4.04	
Ethylbenzene*	<0.050	0.050	04/08/2014	ND	2.16	108	2.00	4.18	
Total Xylenes*	<0.150	0.150	04/08/2014	ND	6.29	105	6.00	4.72	
Total BTEX	<0.300	0.300	04/08/2014	ND					
								-	

Chlorido CM4E00CL B	ma/ka	
Surrogate: 4-Bromofluorobenzene (PIL	118 %	89.4-126

Chloride, SM4500CI-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	04/08/2014	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/08/2014	ND	188	94.2	200	2.05	
DRO >C10-C28	<10.0	10.0	04/08/2014	ND	206	103	200	1.70	

Surrogate: 1-Chlorooctane 92.3 % 65.2-140 Surrogate: 1-Chlorooctadecane 84.4 % 63.6-154

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Celey D. Keene



RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To:

(575) 397-1471

Received:

04/07/2014

Reported:

04/08/2014

Project Name: Project Number: MCA 2 F HEADER

Project Location:

NONE GIVEN NONE GIVEN

Sampling Date:

04/07/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: VERTICAL #2 3.5' (H401054-06)

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	04/08/2014	ND	2.13	106	2.00	3.71	
Toluene*	< 0.050	0.050	04/08/2014	ND	2.17	108	2.00	4.04	
Ethylbenzene*	<0.050	0.050	04/08/2014	ND	2.16	108	2.00	4.18	
Total Xylenes*	<0.150	0.150	04/08/2014	ND	6.29	105	6.00	4.72	
Total BTEX	<0.300	0.300	04/08/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	120 %	6 89.4-12	6						-
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/08/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	, Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/08/2014	ND	188	94.2	200	2.05	
DRO >C10-C28	<10.0	10.0	04/08/2014	ND	206	103	200	1.70	
Surrogate: 1-Chlorooctane	112 %	65.2-14	10						-
Surrogate: 1-Chlorooctadecane	104 %	63.6-15	4						

*=Accredited Analyte Cardinal Laboratories

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RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To:

(575) 397-1471

Received:

04/07/2014

Sampling Date:

04/07/2014

Reported:

04/08/2014

Sampling Type:

Soil

Project Name:

MCA 2 F HEADER

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NONE GIVEN

Sample ID: VERTICAL #3 SURFACE (H401054-07)

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	04/08/2014	ND	2.13	106	2.00	3.71	
Toluene*	<0.050	0.050	04/08/2014	ND	2.17	108	2.00	4.04	
Ethylbenzene*	<0.050	0.050	04/08/2014	ND	2.16	108	2.00	4.18	
Total Xylenes*	< 0.150	0.150	04/08/2014	ND	6.29	105	6.00	4.72	
Total BTEX	<0.300	0.300	04/08/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	118 %	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP			·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15600	16.0	04/08/2014	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: ms					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	04/08/2014	· ND	188	94.2	200	2.05	
DRO >C10-C28	2940	50.0	04/08/2014	ND	206	103	200	1.70	
Surrogate: 1-Chlorooctane	104 9	% 65.2-14	70						
Surrogate: 1-Chlorooctadecane	158 9	% 63.6-15	4						

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RICE ENVIRONMENTAL CONSULTING & SAFETY **KYLE NORMAN** 419 W. CAIN HOBBS NM, 88240

Fax To:

(575) 397-1471

Received:

04/07/2014

Reported:

04/08/2014

Project Name: Project Number: MCA 2 F HEADER NONE GIVEN

Project Location:

NONE GIVEN

Sampling Date:

04/07/2014

Sampling Type:

Soil

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

Sample ID: VERTICAL #3 6" (H401054-08)

-	-	-
BTEX 8021B	r	ng/kg

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	04/08/2014	ND	2.13	106	2.00	3.71	
Toluene*	<0.050	0.050	04/08/2014	ND	2.17	108	2.00	4.04	
Ethylbenzene*	<0.050	0.050	04/08/2014	ND	2.16	108	2.00	4.18	
Total Xylenes*	<0.150	0.150	04/08/2014	ND	6.29	105	6.00	4.72	
Total BTEX	<0.300	0.300	04/08/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	119 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1490	16.0	04/08/2014	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	04/08/2014	ND	188	94.2	200	2.05	
DRO >C10-C28	<50.0	50.0	04/08/2014	ND	206	103	200	1.70	
Surrogate: 1-Chlorooctane	100 %	65.2-14	0			· · · · · · · · · · · · · · · · · · ·			
Surrogate: 1-Chlorooctadecane	96.0	% 63.6-15	4						

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Celeg D. Keine



RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To:

(575) 397-1471

Received:

04/07/2014

Reported:

04/08/2014

Project Name: Project Number: MCA 2 F HEADER NONE GIVEN

Project Location:

NONE GIVEN

Sampling Date: Sampling Type: 04/07/2014

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: VERTICAL #3 2' (H401054-09)

BTEX 8021B

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2014	ND	2.13	106	2.00	3.71	
Toluene*	<0.050	0.050	04/08/2014	ND	2.17	108	2.00	4.04	
Ethylbenzene*	<0.050	0.050	04/08/2014	ND	2.16	108	2.00	4.18	
Total Xylenes*	<0.150	0.150	04/08/2014	ND	6.29	105	6.00	4.72	
Total BTEX	<0.300	0.300	04/08/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	120	% 89.4-12	6	11077					
Chloride, SM4500CI-B	mg,	kg	Analyze	d By: AP					
Chloride, SM4500CI-B Analyte	mg , Result	Reporting Limit	Analyze Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
		-	•		BS 416	% Recovery	True Value QC	RPD 0.00	Qualifier
Analyte	Result	Reporting Limit	Analyzed 04/08/2014	Method Blank		•	_		Qualifier
Analyte Chloride	Result	Reporting Limit	Analyzed 04/08/2014	Method Blank		•	_		Qualifier Qualifier
Analyte Chloride TPH 8015M	Result 128 mg	Reporting Limit 16.0	Analyzed 04/08/2014 Analyze	Method Blank ND d By: ms	416	104	400	0.00	

Surrogate: 1-Chlorooctane

85.5 %

65.2-140

Surrogate: 1-Chlorooctadecane

90.3 %

63.6-154

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Celey & Keene



Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name	(575) 393-2326 FAX (575) 393-24	/6	own strong in the f	CENTRAL AND AND AND A						
I				ILL TO	3		ANALY	SIS REC	QUEST	
Project Manage	KYLE NORMAN .		P.O. #:		1					
Address:		***************************************	Company:	······································]					$\langle $
City:	State:	Zip:	Attn:							\mathcal{A}
Phone #:	Fax #:		Address:							N'A
Project #:	Project Owns	or:	City:						$A \times X$	14
Project Name:			State:	Zíp:				1 1	4	7
Project Locatio	n: COP MCA ZF HEAD	EL	Phone #:			2				
Sampler Name:		>	Fax#:			20E	/ II		γ	
FOR LAB USE ONLY		TAM	RIX PRESERV	SAMPLING	1 🔍 1	X 1 - 1		1 1		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL	OIL SLUDGE OTHER: ACIDIBASE: ICE / COOL	DATE TIME		C20R 87E				
1	VECTICALATI Surface	61 /		4-7-14 10:15		41				
2	VERTICALDI 6"	$G \cup A$		10:20		11				
3	VERTICAL SI I'	<u> 1611 </u>		10:25		44.				
4	VEKTICALAL SUCTACE			11:50						
<u> </u>	VERTICALAZ I'	01 /	_ _	11:55						
6	VERTICALAZ 35'	\bigcirc		12:00		$\Delta \Delta$				
7	VERTICAL #3 Surface	611/		12:50		11				
- G	VELTICAL#3 6"	6 1 /	/	12:55						
	VERTICAL#3 2'	01/		1:00						
	nd Damages. Cardanal's kability and offent's exclusive rememy for ng timas for hepigeston and any other cause whatsoever shall be									

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive rementy for any claim alising whether based in contract or tart, shall be desired to the amount paid by the client for the analyses. At claims including those for derignation and any other came whestoever shall be decimed whise made in whiting and received by Cardinal which 30 days after completion of the opplicable service, tago event aliability control is liable for incidental or consequental damages, including which this table, business interruptions, task of use, or loss of profits incurred by client, its subsubation, including which are incidental or consequental damages, including which this table, business interruptions, task of use, or loss of profits incurred by client, its subsubations,

Officials of suitcase or armer plated or related to the performance of se-	ervices herminder by Cardinal Aspandiens of whether such distants besed upon any of the spoye stated tran	sumb or officeration.
Relinquished By: \ \ / D	Date: Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	4-7-14 /ma. H	Fax Result: ☐ Yes ☐ No Add'l Fax #:
	Time: 12- / / /// /// /// ///////////////////	REMARKS:
1-140-6-11100-1-	4.15 WM SWUNDY _ 1	heander wriceswd.com
Refinquished By: D	Date: Received By:	Knorman a) rice-ecs. com
ang.	2000 - 0.0000000000000000000000000000000	
T	lime:	Iwelaniemer a rice-ecs.com
Delivered By: (Circle One)	Sample Condition CHECKED BY:	ecesaceo porice-ecs, com
Sampler - UPS - Bus - Other:	Cool Intact (Hards)	



April 09, 2014

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: MCA 2 F HEADER

Enclosed are the results of analyses for samples received by the laboratory on 04/08/14 14:50.

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/qa/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.

Celeg D. Keens

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



RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To:

(575) 397-1471

Received:

04/08/2014

Sampling Date:

04/08/2014

Reported:

04/09/2014

Sampling Type:

Soil

Project Name:

MCA 2 F HEADER

Sampling Condition:

** (See Notes)

Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

Sample Received By:

Jodi Henson

Sample ID: POINT 4 @ SURFACE (H401066-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS			·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	04/09/2014	ND	2.19	109	2.00	4.47	
Toluene*	0.430	0.200	04/09/2014	ND	2.09	105	2.00	3.09	
Ethylbenzene*	0.850	0.200	04/09/2014	ND	2.02	101	2.00	3.47	
Total Xylenes*	3.07	0.600	04/09/2014	ND	5.81	96.8	6.00	3.75	
Total BTEX	4.35	1.20	04/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIC	123 9	% 89.4-12	6				-		
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4280	16.0	04/09/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: ms					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<100	100	04/09/2014	ND	203	101	200	3.60	
DRO >C10-C28	19600	100	04/09/2014	ND	219	109	200	6.96	
Surrogate: 1-Chlorooctane	152 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	648 5	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene



RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received:

04/08/2014

Reported:

04/09/2014 MCA 2 F HEADER

Project Name: Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

Sampling Date:

04/08/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: ** (See Notes)

Jodi Henson

Sample ID: POINT 4 @ 1' (H401066-02)

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	04/09/2014	ND	2.19	109	2.00	4.47	
Toluene*	<0.050	0.050	04/09/2014	ND	2.09	105	2.00	3.09	
Ethylbenzene*	<0.050	0.050	04/09/2014	ND	2.02	101	2.00	3.47	
Total Xylenes*	<0.150	0.150	04/09/2014	ND	5.81	96.8	6.00	3.75	
Total BTEX	<0.300	0.300	04/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	110 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1740	16.0	04/09/2014	ND	400	100	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	04/09/2014	ND	203	101	200	3.60	
DRO >C10-C28	<10.0	10.0	04/09/2014	ND	219	109	200	6.96	
Surrogate: 1-Chlorooctane	119 :	% 65.2-14	0				. "		
Surrogate: 1-Chlorooctadecane	109	% 63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Uability 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 walved 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 incidental above. This explication 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.

Celey D. Keine



RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To:

(575) 397-1471

Received: Reported: 04/08/2014

04/09/2014

Project Name: Project Number:

MCA 2 F HEADER

Project Location:

NONE GIVEN

Sampling Date:

04/08/2014

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Jodi Henson

Sample ID: POINT 4 @ 2' (H401066-03)

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	04/09/2014	ND	2.19	109	2.00	4.47	
Toluene*	0.054	0.050	04/09/2014	ND	2.09	105	2.00	3.09	
Ethylbenzene*	0.155	0.050	04/09/2014	ND	2.02	101	2.00	3.47	
Total Xylenes*	0.659	0.150	04/09/2014	ND	5.81	96.8	6.00	3.75	
Total BTEX	0.868	0.300	04/09/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIE	123	% 89.4-12	16						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	240	16.0	04/09/2014	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<50.0	50.0	04/09/2014	ND	203	101	200	3.60	

Surrogate: 1-Chlorooctane

108 %

65.2-140

Surrogate: 1-Chlorooctadecane

106 %

63.6-154

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Celey D. Keine



Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

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. Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

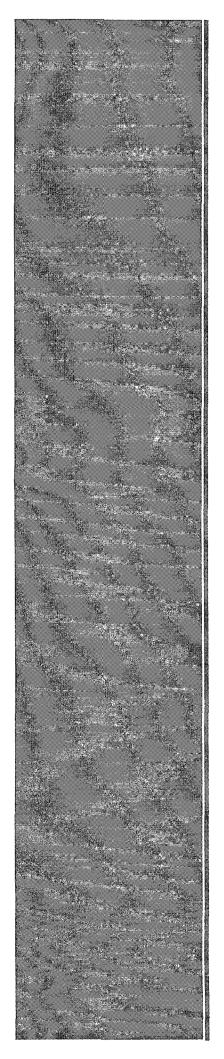
RDINAL LABORATORIES

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	: Recs						: : : :	g d		BI	LL TO						ANAL	YSIS	RE	QUE	ST	_	·············	
Project Manager	Kyle Norman						F	.O.	#;															
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City: Hobbs	State: NM	Zip	: 88	240			A	ttn	*								Ö							
Phone #:	Fax #:						A	dd	ress	:							5						İ	
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Project Location	MICA 2F Header						P	ho	ne#	:			Įχ	801	BTEX	S	äţi	TDS						
Sampler Name:	Chris Flows						<u> F</u>	ax					물	7	В	×a		F					[
FOR LAB USE: ONLY	***************************************	,		1	AM	TRIX		P	RES	ERV.	SAMPL	NG	S	TPH		Te	e						1	
Lab 1.D. H4010do	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER SOIL	01L	SLUDGE	Ornen,	ACIO/BASE:	OTHER:	DATE	TIME				•	Complete							
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service. In no event shell Cardinal be liable for incidental or consequented demages, including without firebellars, business intercuptions, loss of use, or loss of profits incurred by client, or subsidiaries

militaries or successors ensing out of or related to the certains	ance of services hereunder by C	and returning ordered of whether such claim is base	d upper may of the above stated o	remedite of outstructer.					
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Sampler - UPS - Bus - Other:		Cool intact Yes Yes No No	Contract of the contract of th	lweinheim	10	5	amples	takent	brough
Cardinal cannot accent verb	al changes Please	fax written changes to 505.	393-2476				WPIHIX	to vax	,



Appendix C Excavation Sampling Labs

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967



May 22, 2014

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: MCA 2 F HEADER

Enclosed are the results of analyses for samples received by the laboratory on 05/21/14 16:35.

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. Keens

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



RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To:

(575) 397-1471

Received:

05/21/2014

Reported:

05/22/2014

Project Name:

MCA 2 F HEADER

Project Number: Project Location:

NONE GIVEN

NONE GIVEN

Sampling Date:

05/21/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: EXC. #1 BTTM SAMPLE GRAB @ 1.5' (H401564-01)

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	05/22/2014	ND	2.26	113	2.00	2.72	
Toluene*	<0.050	0.050	05/22/2014	ND	2.21	111	2.00	2.27	
Ethylbenzene*	<0.050	0.050	05/22/2014	ND	2.14	107	2.00	2.39	
Total Xylenes*	<0.150	0.150	05/22/2014	ND	6.72	112	6.00	2.43	
Total BTEX	<0.300	0.300	05/22/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/22/2014	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	05/22/2014	ND	202	101	200	3.08	
DRO >C10-C28	<10.0	10.0	05/22/2014	ND	219	110	200	5.82	
Surrogate: 1-Chlorooctane	103 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	102 9	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene



RICE ENVIRONMENTAL CONSULTING & SAFETY **KYLE NORMAN** 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received: Reported: 05/21/2014

05/22/2014

MCA 2 F HEADER

Project Name: Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

Sampling Date:

05/21/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: EXC. #2	BTTM SAMPLE GRAB @ 2.5'	(H401564-02)
RTEV 0031D	/1	A 1-

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	05/22/2014	ND	2.26	113	2.00	2.72	
Toluene*	<0.050	0.050	05/22/2014	ND	2.21	111	2.00	2.27	
Ethylbenzene*	< 0.050	0.050	05/22/2014	ND	2.14	107	2.00	2.39	
Total Xylenes*	<0.150	0.150	05/22/2014	ND	6.72	112	6.00	2.43	
Total BTEX	<0.300	0.300	05/22/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIE	102 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/22/2014	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	05/22/2014	ND	202	101	200	3.08	
DRO >C10-C28	65.4	10.0	05/22/2014	ND	219	110	200	5.82	
Surrogate: 1-Chlorooctane	105 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	106 9	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine



RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To:

(575) 397-1471

Received:

05/21/2014

Reported:

05/22/2014

Project Name: Project Number: MCA 2 F HEADER NONE GIVEN

Project Location:

NONE GIVEN

Sample ID: EXC. #3 BTTM SAMPLE GRAB @ 1' (H401564-03)

Sampling Date:

05/21/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

BTEX 8021B Analyte	mg/kg		Analyzed By: MS						
	Result	Reporting Limit	Analyzed	Method Blank	BS % Re	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2014	ND	2.26	113	2.00	2.72	
Toluene*	<0.050	0.050	05/22/2014	ND	2.21	111	2.00	2.27	
Ethylbenzene*	< 0.050	0.050	05/22/2014	ND	2.14	107	2.00	2.39	
Total Xylenes*	<0.150	0.150	05/22/2014	ND	6.72	112	6.00	2.43	
Total BTEX	<0.300	0.300	05/22/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIC	101 %	6 89.4-12	6						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/22/2014	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/22/2014	ND	202	101	200	3.08	
DRO >C10-C28	45.8	10.0	05/22/2014	ND	219	110	200	5.82	
Surrogate: 1-Chlorooctane	114 9	65.2-14	10				-		
Surrogate: 1-Chlorooctadecane	115 9	63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine





RICE ENVIRONMENTAL CONSULTING & SAFETY KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

(575) 397-1471 Fax To:

Received:

05/21/2014

Reported:

05/22/2014

Project Name: Project Number: MCA 2 F HEADER NONE GIVEN

Project Location:

NONE GIVEN

Sampling Date:

05/21/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: EXC. #4 BTTM SAMPLE GRAB @ 2.5' (H401564-04)

Analyte	mg/kg		Analyzed By: MS						
	Result	Reporting Limit	Analyzed	Method Blank	BS % Reco	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2014	ND	2.26	113	2.00	2.72	
Toluene*	< 0.050	0.050	05/22/2014	ND	2.21	111	2.00	2.27	
Ethylbenzene*	<0.050	0.050	05/22/2014	ND	2.14	107	2.00	2.39	
Total Xylenes*	<0.150	0.150	05/22/2014	ND	6.72	112	6.00	2.43	
Total BTEX	<0.300	0.300	05/22/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 %	6 89.4-12	16						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						_
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/22/2014	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/22/2014	ND	202	101	200	3.08	
DRO >C10-C28	<10.0	10.0	05/22/2014	ND	219	110	200	5.82	
Surrogate: 1-Chlorooctane	111 %	65.2-14	10						
Surrogate: 1-Chlorooctadecane	110 %	63.6-15	54						

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Celey D. Keene



ND

Notes and Definitions

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

Analyte NOT DETECTED at or above the reporting limit

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Rush

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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	e reco									· l	811	470						ANA	_YSIS	; RE	QUES				
Project Manager: Laura Flores Ryle Nelman									0.#	:															
Address:										any						-		SI							
City: Hobbs State: NM Zip: 88240																		Ö							
Phone #: Fax #:										ss:								An							
Project #: Project Owner:										,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				S	Σ		エ	s/							
Project Name: Canada Fallings												Zip:	ga	g	15	×	ㅁ	o	m			i			
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Relinquished 8	Å.	Date:	R	cei	ved By	7:					~			: hconder@riceswd.com; lflores@rice-ecs.com; heimer@rice-ecs.com; knorman@rice-ecs.com;											
Time:							*************						mplain@rice-ecs.com; sedwards@rice-ecs.com;												

cursanic@rice-ecs.com

@rice-ecs.com

Environmental Tech:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2416

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:



Sample Condition

Cool Intact
Ves Ves
No No



May 28, 2014

KYLE NORMAN

RICE ENVIRONMENTAL CONSULTING & SAFETY LLC

419 W. CAIN

HOBBS, NM 88240

RE: MCA 2 F HEADER

Enclosed are the results of analyses for samples received by the laboratory on 05/27/14 16:30.

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 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.

Celeg 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:

RICE ENVIRONMENTAL CONSULTING & SAFETY **KYLE NORMAN** 419 W. CAIN

HOBBS NM, 88240

Fax To:

(575) 397-1471

Received:

05/27/2014

Sampling Date:

05/27/2014

Reported:

05/28/2014

Sampling Type:

Soil

Project Name:

MCA 2 F HEADER

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

NONE GIVEN

Sample ID: IMPORTED BASE COARSE (H401623-01)

mg/kg

Analyzed By: AP

Analyte

Result

112

<16.0

Reporting Limit Analyzed

16.0

16.0

Method Blank

BS 416

104

% Recovery

True Value QC 400

RPD

3.77

Qualifier

Chloride

Chloride

05/28/2014

05/28/2014

Analyzed By: AP

BS

% Recovery True Value QC

Qualifier

Sample ID: IMPORTED TOP SOIL (H401623-02)

Chloride, SM4500CI-B

mg/kg Analyte Result

Reporting Limit Analyzed

Method Blank ND

ND

416

104

400

RPD 0.00

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's flability and client's exclusive 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 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.

Celey D. Keene, Lab Director/Quality Manager

Celey & Keene

Page 2 of 4



ND

Notes and Definitions

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

Analyte NOT DETECTED at or above the reporting limit

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim 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 whatspever shall be deemed waked 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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey & Keens



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	· 12805	Ś								E	11	LTO	ANALYSIS REQUEST												
Project Manager: Laura Flores , Kylis Norman																									
Address:								C	mp	any:	~~~~		war 11 Trades parents					S							
City: Hobbs		State: NM	Zip	: 88	240			At	tn:	···,								0	1						
Phone #: Fax #:										Address:								A L							
Project #: Project Owner:												,		(0)	Σ		エ	Cations/Anions							
Project Name: Consca Phillips										~	Z	ip:		Chlorides	8015	×	Texas TPH								
Project Location: MCA 2F Headay										#:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Ξ	18	Ш		ati	TDS						
Sampler Name: Chit's Flores														١Ĕ	1 7	BTEX		Ö	一一						
FOR LAB USE ONLY	Paragerinage (1975), 1994, Seech is standard in 1995 periodiffer transport or against configuration of the configu	terronalitico espera combana dimensione espera con consideramente.	Į.,.			MATI	RIX		PR	ESER	<u> </u>	SAMPLI	NG	ပ	HA		<u>e</u>	e							
Lab I.D. 1401623	Sample	I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	OTHER:	ACID/BASE:		OTHER:	DATE	TIME					Complete					* `		
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anelyses, All deims includin service, in no event shell C.	nd Damages. Comminals Nability and ng those for nagingance and any ob- ardinel be Wable for includence or ob- ng out of or related to the performa-	er cause whatscewer shall be mequental damagas, including	seeme with	c was ut Smitt	et unioss itom, tes	. made in v iress inter	vriting as Tuptions	na rese , ions s	espote Huse,	y Canzin or loss o	uai estin et orroda	in 30 days afte is incurred by c	r completion of t Jers, its submite	ine apolicai Livro.	2.6 4										
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Relinquished By: Date: Received By: Time:										. 4	email: hconder@riceswd.com; lflores@rice-ecs.com; lweinheimer@rice-ecs.com; knorman@rice-ecs.com; jkamplain@rice-ecs.com;														

cursanic@rice-ecs.com

Environmental Tech:

€\toπδ @rice-ecs.com

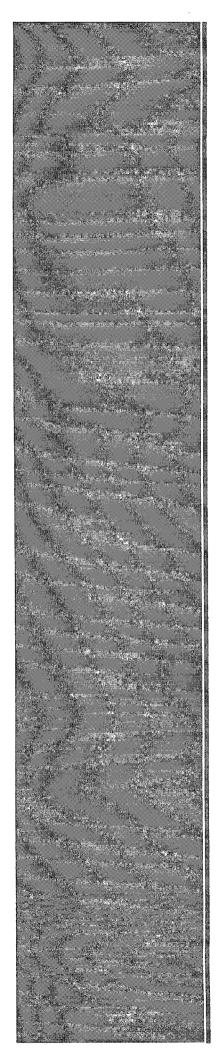
Sample Condition

Cool Intact

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2478



Appendix D Photo Documentation

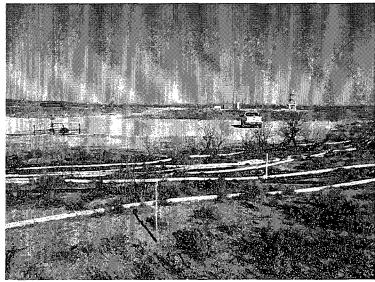
RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

ConocoPhillips MCA 2F Header Unit Letter J, Section 27, T17S, R32E



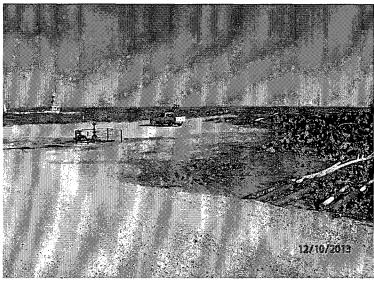
Initial site photo, facing east

12/10/13



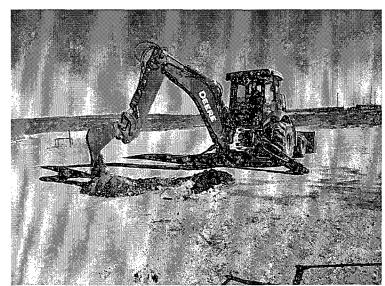
Initial site photo, facing north

12/10/13



Initial site photo, facing northeast

12/10/13



Installing verticals, facing northwest

4/7/14



Hand auguring Point 4, facing northwest

4/8/14

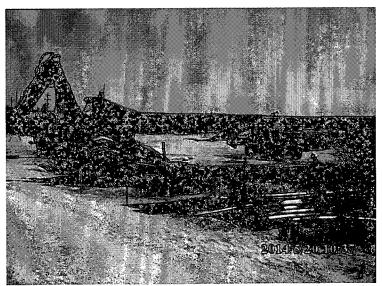


Sampling the hand shoveled scrape, facing west 5/15/14



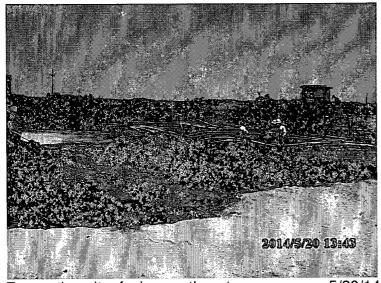
Shoveling release area, facing northeast

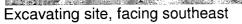
5/9/14



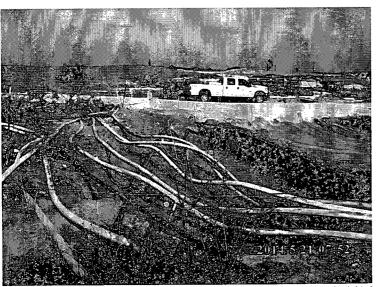
Excavating site, facing northeast

5/20/14



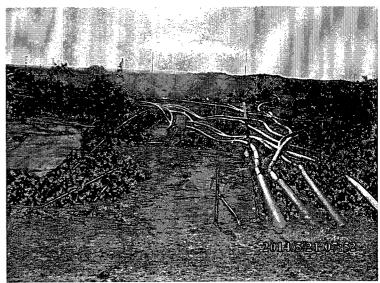


5/20/14



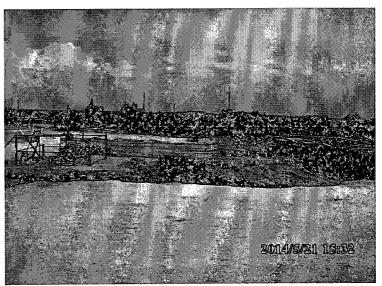
Excavation completed, facing west

5/21/14



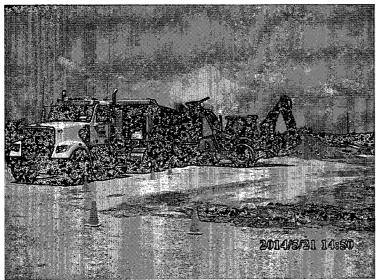
Excavation completed, facing east

5/21/14



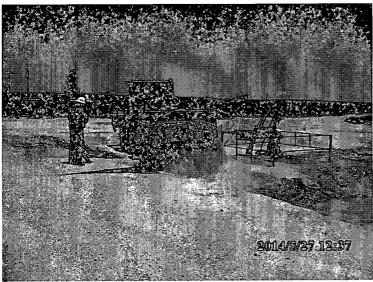
Excavation completed, facing east

5/21/14



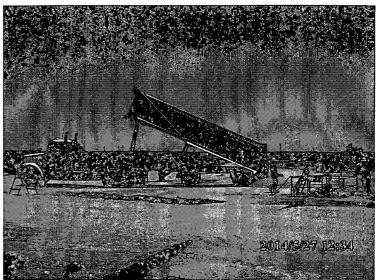
Exporting soil, facing northeast

5/21/14



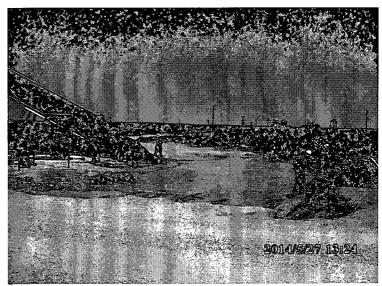
Backfilling site, facing northeast

5/27/14



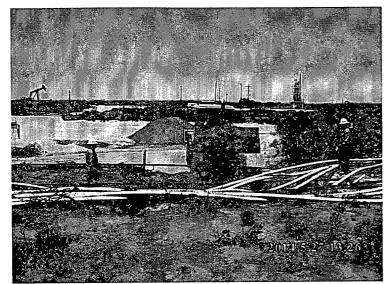
Importing caliche, facing northeast

5/27/14



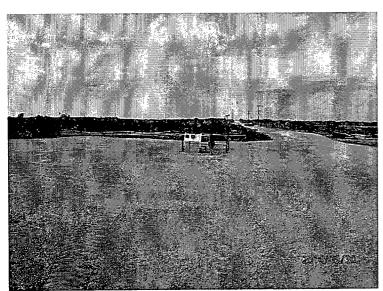
Importing top soil, facing northeast

5/27/14



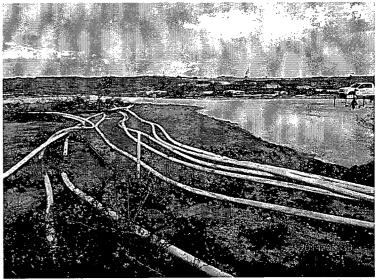
Backfilling site, facing north

5/27/14



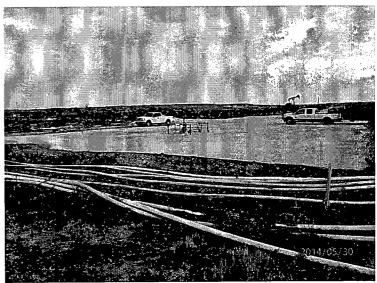
Backfill completed, facing east

5/30/14



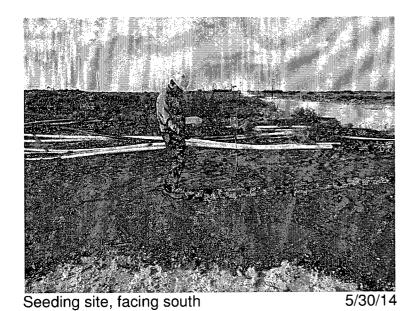
Backfill completed, facing east

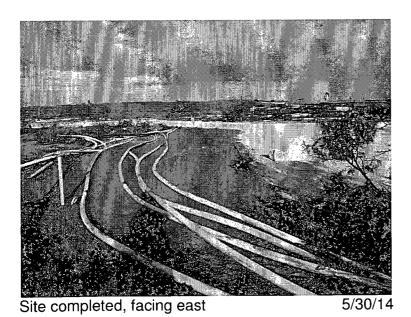
5/30/14



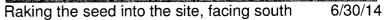
Backfill completed, facing northwest

5/30/14



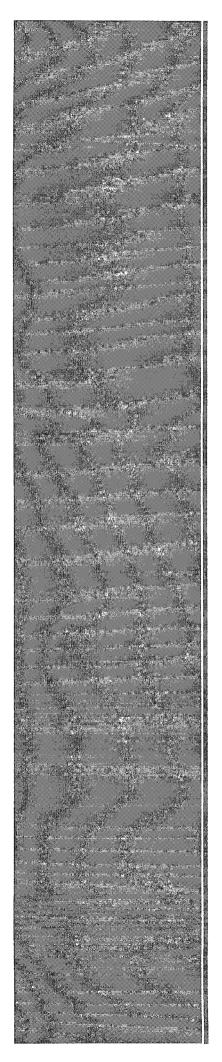








Site completed, facing west 5/30/14



Appendix E

RICE Environmental Consulting and Safety (RECS)
P.O. Box 2948 Hobbs, NM 88241
Phone 575.393.2967

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
Listrict 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.

1220 D. Dt. I lancie	, 1, 1, Danie	. 1 0, 1 1 1 0 7 5 0 0		Sa	anta Fe	, NM 875	05									
Release Notification and Corrective Action																
						OPERA?	ΓOR		☐ Initial Report ☐ Final F							
Name of Com						Contact										
		Complex I				Telephone No.										
Facility Name	MCA	2F Header				Facility Type Header										
Surface Owne	er BLM			Mineral C	Owner	BLM		-	API No	. 300250	0718					
	,	,		LOCA	ATIO	OF RE										
Unit Letter S	Section	Township	Range	Feet from the		South Line	Feet from the	East/W	est Line							
J	27	178	32E	1980		South	1980	Е	ast	Lea						
	Latitude 32.8037075642669 Longitude -103.752155401928															
NATURE OF RELEASE																
Type of Release	e Spill		·····		CICE	Volume of Release 11.7 BBLS Volume Recovered 5 BBLS										
Source of Relea		h steel flow l	ine				lour of Occurrenc			Hour of Dis						
						10/17/13			_							
Was Immediate	e Notice C		Yes [No 🗌 Not R	equired	If YES, To Whom? Trisha Bad Bear/Geoffrey Leking										
By Whom? Da	vid May					Date and Hour 10/18/13 2:50 pm										
Was a Waterco	urse Reac			•		If YES, Volume Impacting the Watercourse.										
		L	Yes 🛚	No.												
If a Watercours	se was Imp	pacted, Descr	ibe Fully.	*		•										
											to a 12	" trunk line				
with a butterfly	Describe Cause of Problem and Remedial Action Taken.* Release was caused by external corrosion. Abandoned line was connected to a 12" trunk line with a butterfly valve that was leaking. Line was disconnected from butterfly valve and was replaced with ball valve plug. Describe Area Affected and Cleanup Action Taken.* The release affected a total of 3,485 square feet of lease pad and pasture land. RECS personnel were on															
Describe Area	Affected a	and Cleanup A	Action Tak	cen.* The release :	attected	a total of 3,485	5 square feet of lea and mapped. Begi	se pad ar	nd pasture l	and RECS	personr	nel were on				
release area wer	e sampled	at the surface	and with d	lepth. The sample	s were fi	eld tested for o	chlorides and organ	nic vapor	s, and repre	esentative sa	mples v	vere taken to a				
commercial labor	oratory for	analysis. Bas	sed on the l	aboratory data, a C	Corrective	Action Plan	(CAP) was submit	ted to Ni	MOCD and	BLM on Ar	oril 15 th	2014. BLM				
approved the CA	AP on Apri	il 16 th , 2014 au	nd NMOCI	D approved the CA	AP on Ap	ril 22 nd , 2014.	BLM had one stip ite on May 9 th , 201	pulation	as part of th	neir approval	. They	stated that				
							a NMOCD appro									
the base of each	scrape, in	cluding Point	4 as reques	sted by BLM, and	sent to a	commercial la	boratory for analy:	sis. All o	constituents	from each s	ample p	point returned				
							cubic yards of top									
composite samp	ele from the	e imported bas erv chloride re:	se coarse canding of 11	aliche and the impo	orted top imported	soil were take	en to a commercial ned a laboratory ch	laborato loride re:	ry for analy ading of no	ysis. The im n-detect. Or	ported to	base coarse				
RECS requested	l permissio	n to backfill t	he site fron	n NMOCD and BI	LM. BLI	M approved th	e site to be backfil	led on M	ay 23 rd , 20	14, and NM6	OCD ap	proved the				
site to be backfil	lled on Ma	ıy 27 th , 2014.	The pastur	e area was backfil	led with	the imported t	op soil and the leas	se pad wa	as backfille	d with the in	nported	base coarse				
seeded with BLI		contoured to tr	ieir surrour	iding locations. O	m may 3	U , 2014, the	scraped pasture are	a and the	adjacent a	reas with litt	de vege	tation were				
		nformation g	iven above	is true and comp	lete to t	he best of my	knowledge and u	ınderstar	nd that pur	suant to NM	IOCD r	rules and				
							nd perform correc									
							arked as "Final R ion that pose a thr									
							e the operator of									
federal, state, or					F		-	F								
Signature:		(6)	·			OIL CONSERVATION DIVISION										
3.8	•	1														
Printed Name:	SEAN	- MISEN	SON			Approved by Environmental Specialist:										
Title:	PATION	5 5	PENS	· ·		Approval Da	te:]	Expiration	Date:		•				
E-mail Address	<u>:: 561</u>	v. 1.16	BENGN	@ Op. Com		Conditions o	f Approval:	Attached [
Date: 1/2	/14		Phone	575-390-88	73											
* Attach Addition	onal Shee	ets If Necess	sary													