

CONOCOPHILLIPS

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

Ruby Federal #9

Termination Request

API No: 3002540360

Release Date: November 11th, 2013

Unit Letter O, Section 18, Township 17S, Range 32E



October 30th, 2014

Tomas 'Doc' Oberding

New Mexico Energy, Minerals, & Natural Resources Oil Conservation Division, Environmental Bureau – District 1 1625 N. French Dr. Hobbs, NM 88240-9273

> RE: Termination Request ConocoPhillips – Ruby Federal Well #9 UL/O sec. 18 T17S R32E API No. 3002540360

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 miles southwest of Maljamar, New Mexico at UL/O sec. 18 T17S R32E. NM OSE and BLM records indicate that groundwater will likely be encountered at a depth of approximately 145 +/- feet.

On November 11th, 2013, the top of a ¼ inch gauge blew out releasing 36 barrels of produced water and 15 barrels of oil over 4,360 square feet of primarily lease pad. A total of 20 barrels of produced water and 10 barrels of oil were recovered. The gauge was replaced and NMOCD and BLM were notified of the release on November 12th, 2013. An initial C-141 was signed on November 12th, 2013 and submitted to NMOCD and BLM for their approval (Appendix A).

RECS personnel were on site beginning on November 14th, 2013 to assess the release. The release was sampled at the surface and with depth (Figure 1). Representative samples from the release were taken to a commercial laboratory for analysis (Appendix B). In all five sampling points, the surface samples showed elevated laboratory chloride levels, Gasoline Range Organics (GRO) readings, Diesel Range Organics (DRO) readings and BTEX readings. As Point 2, Point 3 and Point 5 were sampled with depth, all constituents dropped below regulatory standards between 1.5 ft and 3 ft bgs.

On December 18th, 2013, a Corrective Action Plan (CAP) was submitted to NMOCD and BLM. NMOCD verbally approved the CAP on December 18th, 2013 and BLM approved the CAP on January 9th, 2014. Based on the laboratory analysis of the release, the CAP stated that the areas around Point 1, Point 3 and Point 5 would be scraped down to 1.5 ft

(Figure 2). The area around Point 2 would be excavated to 3 ft bgs. The area around Point 4 would be excavated until samples returned chloride values below regulatory standards.

Once the entire excavation was completed, grab samples would be taken from the walls of the excavation and sent to a commercial laboratory to show that all constituents were below regulatory standards. The excavation on the lease pad would be backfilled with clean, imported caliche and the excavation in the pasture would be backfilled with clean, imported soil. All excavated material would be taken to a NMOCD approved facility for disposal. The area in the pasture would have soil amendments added as necessary and then the area would be seeded.

Corrective action activities began at the site on March 31st, 2014. The site was scraped down as shown in Figure 3. Wall samples were collected and field tested for chlorides and organic vapors. The samples were then taken to a commercial laboratory for analyses and returned constituents below regulatory standards (Appendix C). A total of 270 cubic yards of contaminated soil was taken to a NMOCD approved facility for disposal. A total of 80 cubic yards of top soil and 300 yards of caliche were imported to the site to replace the contaminated soil taken for disposal. A sample of the imported backfill was taken to a commercial laboratory for analysis and returned a chloride result of 288 mg/kg. The lease pad was backfilled with the imported caliche and the pasture area was backfilled with the imported top soil. Both areas were contoured to the surrounding area. On May 7th, 2014, the pasture area was seeded with BLM mix #2.

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

Given that CoP has completed the CAP work as approved by NMOCD, CoP respectfully requests 'remediation termination' and site closure. 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

RECS

(575) 441-0431

Attachments:

Figure 1 – Initial Sampling Data

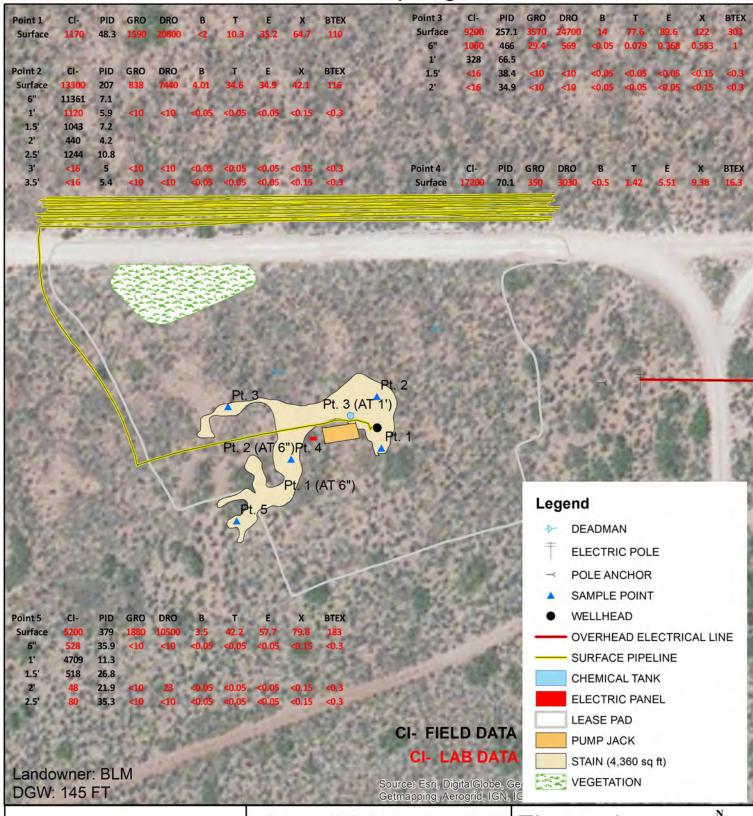
Figure 2 – Proposed Excavation Depths

Figure 3 – Excavation Data

Appendix A – Initial C-141 Appendix B – Initial Laboratory Analyses Appendix C – Final Laboratory Analyses Appendix D – Photo Documentation Appendix E – Final C-141

Figures

Initial Sampling Data



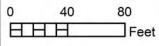


CONOCOPHILLIPS RUBY FEDERAL WELL #9

LEGALS: UL/O sec. 18 T-17-S R-32-E LEA COUNTY, NM

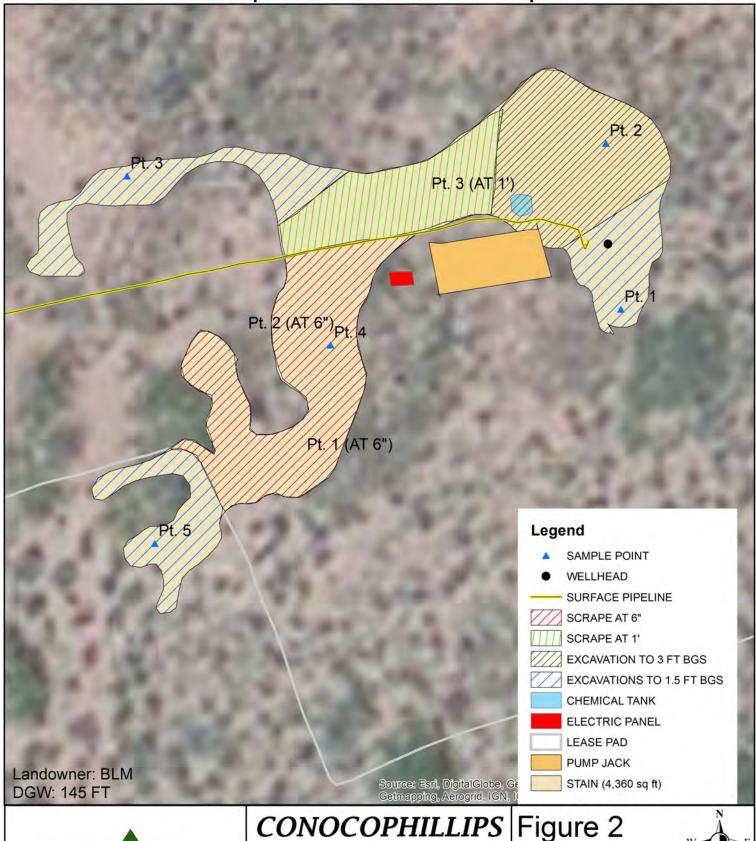
Figure 1





GPS date: 11-19-13 KN Drawing date: 12-4-13 Drafted by: L. Weinheimer

Proposed Excavation Depths



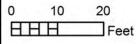


RUBY FEDERAL **WELL #9**

LEGALS: UL/O sec. 18 T-17-S R-32-E LEA COUNTY, NM

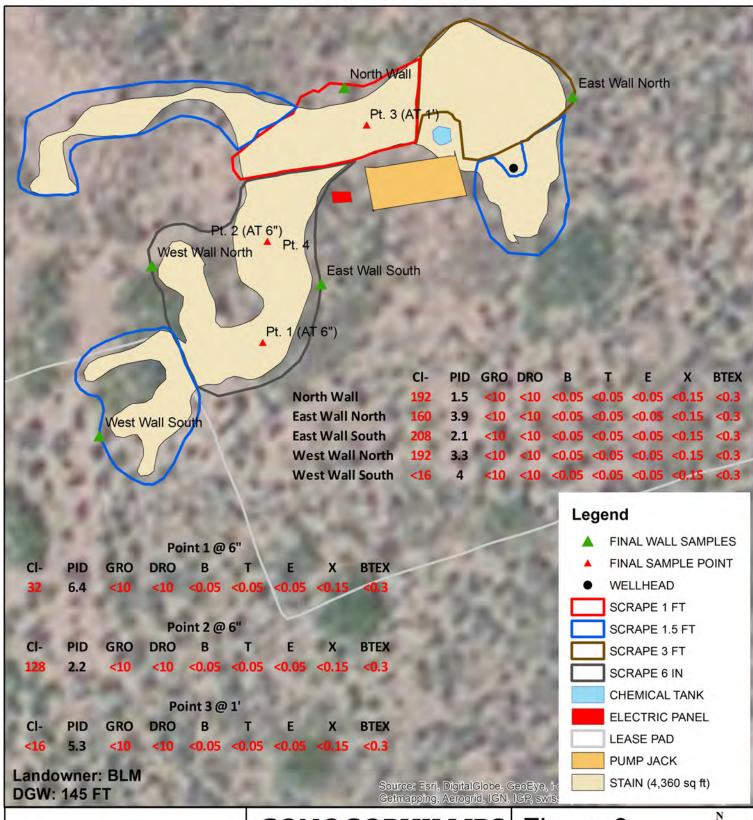
Figure 2





GPS date: 11-19-13 KN Drawing date: 12-18-13 Drafted by: L. Weinheimer

Excavation Data





CONOCOPHILLIPS RUBY FEDERAL WELL #9

LEGALS: UL/O sec. 18 T-17-S R-32-E LEA COUNTY, NM

Figure 3



0 10 20 HHH Feet

GPS date: 4/3/14 CF Drawing date: 5/30/14 Drafted by: C. Ursanic/L. Weinheimer

Appendix A Initial C-141

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

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

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-141

Revised August 8, 2011

			Rele	ease Notific	cation	and Co	orrective A	ction				
						OPERA	al Report		Final Report			
		onocoPhillip				Contact: Da						
Address: 29	Vacuum	Complex La Federal We	ane				No. 575-391-31 (06				
Facility Nan	ne: Ruby	rederai we	H #9			Facility Typ	e: weii					
Surface Own	ner: BLM			Mineral C)wner B	BLM			API No	. 3002540	360	
				LOCA	ATION	OF RE	LEASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the		est Line	County		
0	18	17S	32E	480	South		1650	East		LEA		
Latitude 32	2.8286948	558908		Longitude -103	3.80265	1025065						
				NAT	URE	OF REL	EASE					
Type of Relea	ase: Spill						Release: 51 BBL			Recovered:		
Source of Rel	lease: 1/4 11	ich Gauge				Date and F 11/11/13	Iour of Occurrenc		SAME	Hour of Dis	scovery	y
Was Immedia	te Notice (Given?				If YES, To		L_	DAME			
		\boxtimes	Yes	☐ No ☐ Not Re	equired	Jim Amos	/Geoffrey Leking	g				
By Whom? D							Iour: 11/12/13 3:5					
Was a Watero	course Read		Yes 🗵	₫ No		If YES, Vo	olume Impacting t	the Water	course.			
If a Watercou	rse was Im	pacted, Descri	ibe Fully.	*								
			Ž									
Describe Cau	se of Probl	em and Remed	dial Actio	n Taken.*								
				n gauge had blow				and 15 B	O with 2	0 BPW an	d 10 F	30
recovered. N	ASO block	ced in ¼ inch	ı valve, r	removed handle a	and rep	laced gauge	•					
Describe Are	a Affected	and Cleanup A	Action Tal	ken.*								
				remediated accord	ing to B	LM requirem	ents.					
I haraby carti	fy that the i	information gi	van abov	e is true and comp	lata to th	a best of my	knowledge and u	ındərstən	d that pur	suant to NM	IOCD 1	rules and
				nd/or file certain r								
public health	or the envi	ronment. The	acceptano	ce of a C-141 repo	ort by the	NMOCD m	arked as "Final R	eport" do	es not rel	ieve the ope	rator o	of liability
				y investigate and re								
		ws and/or regu		ptance of a C-141	report de	bes not renev	e the operator of	responsib	omity for c	ompiiance v	viin an	iy otner
Todorui, stato,	01 10 0 11	vo unu, or regu					OIL CON	SERVA	ATION	DIVISIO	ON	
Signature:												
Signature:						Ammarrad bro	Environmental C	manialist				
Printed Name	: David Ma	ay			,	Approved by	Environmental S	peciansi:				
Title: LEAD	HSE					Approval Da	te:	E	xpiration	Date:		
				. ::::							_	
E-mail Addre	ss: david	.a.may@co	nocopi	hillips.com] '	Conditions of	Approval:					
										Attached	1 🗌	

Phone:575-391-3106

Date: 11/12/13

^{*} Attach Additional Sheets If Necessary

Appendix B Initial Laboratory Analyses



December 02, 2013

JACOB KAMPLAIN
RICE ENVIRONMENTAL CONSULTING & SAFETY LLC
419 W. CAIN
HOBBS, NM 88240

RE: CONOCO RUBY FEDERAL WELL #9

Enclosed are the results of analyses for samples received by the laboratory on 11/21/13 13:45.

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.

Celes D. Keeno

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 JACOB KAMPLAIN

419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received: 11/21/2013 Sampling Date: 11/14/2013

Reported: 12/02/2013 Sampling Type: Soil

Project Name: CONOCO RUBY FEDERAL WELL #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: PT. 1 SURFACE (H302862-01)

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*	<2.00	2.00	11/25/2013	ND	1.95	97.4	2.00	0.491	
Toluene*	10.3	2.00	11/25/2013	ND	1.96	97.8	2.00	0.750	
Ethylbenzene*	35.2	2.00	11/25/2013	ND	1.94	97.1	2.00	2.11	
Total Xylenes*	64.7	6.00	11/25/2013	ND	5.74	95.7	6.00	2.65	
Total BTEX	110	12.0	11/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	146	% 89.4-12	6						
Chloride, SM4500Cl-B	mg,	mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	11/26/2013	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	1590	100	11/24/2013	ND	192	96.2	200	3.40	
DRO >C10-C28	20800	100	11/24/2013	ND	197	98.6	200	2.56	
Surrogate: 1-Chlorooctane	211	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	365	% 63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

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RICE ENVIRONMENTAL CONSULTING & SAFETY

JACOB KAMPLAIN 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received: 11/21/2013 Sampling Date: 11/14/2013

Reported: 12/02/2013 Sampling Type: Soil

Project Name: CONOCO RUBY FEDERAL WELL #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: PT. 2 SURFACE (H302862-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.01	1.00	11/25/2013	ND	1.95	97.4	2.00	0.491	
Toluene*	34.6	1.00	11/25/2013	ND	1.96	97.8	2.00	0.750	
Ethylbenzene*	34.9	1.00	11/25/2013	ND	1.94	97.1	2.00	2.11	
Total Xylenes*	42.1	3.00	11/25/2013	ND	5.74	95.7	6.00	2.65	
Total BTEX	116	6.00	11/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	126	% 89.4-12	6						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13300	16.0	11/26/2013	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	838	100	11/24/2013	ND	192	96.2	200	3.40	
DRO >C10-C28	7440	100	11/24/2013	ND	197	98.6	200	2.56	
Surrogate: 1-Chlorooctane	163	% 65.2-14	0						

Surrogate: 1-Chlorooctadecane 215 % 63.6-154

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RICE ENVIRONMENTAL CONSULTING & SAFETY

JACOB KAMPLAIN 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received: 11/21/2013 Sampling Date: 11/14/2013

Reported: 12/02/2013 Sampling Type: Soil

Project Name: CONOCO RUBY FEDERAL WELL #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: PT. 3 SURFACE (H302862-03)

TEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	14.0	5.00	11/25/2013	ND	1.95	97.4	2.00	0.491	
Toluene*	77.6	5.00	11/25/2013	ND	1.96	97.8	2.00	0.750	
Ethylbenzene*	89.6	5.00	11/25/2013	ND	1.94	97.1	2.00	2.11	
Total Xylenes*	122	15.0	11/25/2013	ND	5.74	95.7	6.00	2.65	
Total BTEX	303	30.0	11/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 89.4-12	6						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9200	16.0	11/26/2013	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	3570	200	11/24/2013	ND	192	96.2	200	3.40	
		200	11/24/2013	ND	197	98.6	200	2.56	

Surrogate: 1-Chlorooctane 241 % 65.2-140
Surrogate: 1-Chlorooctadecane 477 % 63.6-154

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RICE ENVIRONMENTAL CONSULTING & SAFETY

JACOB KAMPLAIN 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received: 11/21/2013 Sampling Date: 11/14/2013

Reported: 12/02/2013 Sampling Type: Soil

Project Name: CONOCO RUBY FEDERAL WELL #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: PT. 4 SURFACE (H302862-04)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/25/2013	ND	1.95	97.4	2.00	0.491	
Toluene*	1.42	0.500	11/25/2013	ND	1.96	97.8	2.00	0.750	
Ethylbenzene*	5.51	0.500	11/25/2013	ND	1.94	97.1	2.00	2.11	
Total Xylenes*	9.38	1.50	11/25/2013	ND	5.74	95.7	6.00	2.65	
Total BTEX	16.3	3.00	11/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	126	% 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	17200	16.0	11/26/2013	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	350	100	11/24/2013	ND	192	96.2	200	3.40	
DRO >C10-C28	3030	100	11/24/2013	ND	197	98.6	200	2.56	

Surrogate: 1-Chlorooctane 140 % 65.2-140 Surrogate: 1-Chlorooctadecane 182 % 63.6-154

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RICE ENVIRONMENTAL CONSULTING & SAFETY

JACOB KAMPLAIN 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received: 11/21/2013 Sampling Date: 11/14/2013

Reported: 12/02/2013 Sampling Type: Soil

Project Name: CONOCO RUBY FEDERAL WELL #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: PT. 5 SURFACE (H302862-05)

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*	3.50	2.00	11/25/2013	ND	1.95	97.4	2.00	0.491	
Toluene*	42.2	2.00	11/25/2013	ND	1.96	97.8	2.00	0.750	
Ethylbenzene*	57.7	2.00	11/25/2013	ND	1.94	97.1	2.00	2.11	
Total Xylenes*	79.8	6.00	11/25/2013	ND	5.74	95.7	6.00	2.65	
Total BTEX	183	12.0	11/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	132	% 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	5200	16.0	11/26/2013	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

ND

ND

213

217

107

108

11/25/2013

11/25/2013

Surrogate: 1-Chlorooctane 189 % 65.2-140
Surrogate: 1-Chlorooctadecane 336 % 63.6-154

1880

10500

200

200

GRO C6-C10

DRO >C10-C28

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine

2.70

1.78

200

200



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

Cardinal Laboratories *=Accredited Analyte

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RDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603

PT.4 SURFACE PT.5 SURFACE

City:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1

(505) 393-2326 FAX (505) 393-2476 (325) 673-7001 FAX (325)673-7020 Company Name: RECS BILL TO ANALYSIS REQUEST Project Manager: JKAMPLAIN P.O. #: Address: Company: Complete Cations/Anions State: Attn: Phone #: Fax #: Address: Project #: Project Owner: **TPH 8015 M** City: Texas TPH Chlorides Project Name: CONOCO PHILLIPS State: Zip: BTEX Project Location: RUBY FEDERAL #9 Phone #: Sampler Name: JKAMPLAIN Fax #: FOR LAB USE ONLY MATRIX PRESERV. SAMPLING (G)RAB OR (C)OMP GROUNDWATER WASTEWATER SOIL Lab I.D. Sample I.D. ICE/COOL OTHER: H302867 DATE TIME 11-14-13 12:00 PT.1 SURFACE 1 1 ✓ PT.2 SURFACE 12:05 12:10 7 PT.3 SURFACE

Phone Result:
Fax Result:
REMARKS: email results: ALL Delivered By: (Circle One) Sampler - UPS - Bus - Other:

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



November 27, 2013

JACOB KAMPLAIN
RICE ENVIRONMENTAL CONSULTING & SAFETY LLC
419 W. CAIN
HOBBS, NM 88240

RE: CONOCO RUBY FEDERAL WELL #9

Enclosed are the results of analyses for samples received by the laboratory on 11/20/13 8:15.

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/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.

Wite South

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,

Mike Snyder

Organic Supervisor



RICE ENVIRONMENTAL CONSULTING & SAFETY JACOB KAMPLAIN 419 W. CAIN

HOBBS NM, 88240

Fax To: (575) 397-1471

Received: 11/20/2013 Sampling Date: 11/19/2013

Reported: 11/27/2013 Sampling Type: Soil

Project Name: CONOCO RUBY FEDERAL WELL #9 Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: PT. 2 1' (H302827-01)

BTEX 8260B	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	11/21/2013	ND	1.84	92.1	2.00	1.58	
Toluene*	<0.050	0.050	11/21/2013	ND	1.90	94.9	2.00	0.599	
Ethylbenzene*	<0.050	0.050	11/21/2013	ND	1.96	98.1	2.00	1.54	
Total Xylenes*	<0.150	0.150	11/21/2013	ND	5.76	96.0	6.00	0.240	
Total BTEX	<0.300	0.300	11/21/2013	ND					
Surrogate: Dibromofluoromethane	92.9	% 61.3-14	2						
Surrogate: Toluene-d8	100	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	99.2	% 65.7-14	1						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	11/25/2013	ND	416	104	400	3.92	
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	11/21/2013	ND	190	95.0	200	13.1	
DRO >C10-C28	<10.0	10.0	11/21/2013	ND	180	89.8	200	4.80	
Surrogate: 1-Chlorooctane	97.6	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	107	% 63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

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wite Single



RICE ENVIRONMENTAL CONSULTING & SAFETY

JACOB KAMPLAIN 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received: 11/20/2013 Sampling Date: 11/19/2013

Reported: 11/27/2013 Sampling Type: Soil

Project Name: CONOCO RUBY FEDERAL WELL #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MC

Project Location: NOT GIVEN

ma/ka

Sample ID: PT. 2 3' (H302827-02)

RTFY 8260R

B1EX 8260B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2013	ND	1.84	92.1	2.00	1.58	
Toluene*	<0.050	0.050	11/21/2013	ND	1.90	94.9	2.00	0.599	
Ethylbenzene*	<0.050	0.050	11/21/2013	ND	1.96	98.1	2.00	1.54	
Total Xylenes*	<0.150	0.150	11/21/2013	ND	5.76	96.0	6.00	0.240	
Total BTEX	<0.300	0.300	11/21/2013	ND					
Surrogate: Dibromofluoromethane	94.7	% 61.3-14	12						
Surrogate: Toluene-d8	99.9	% 71.3-12	19						
Surrogate: 4-Bromofluorobenzene	103	% 65.7-14	!1						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/25/2013	ND	416	104	400	3.92	
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	11/21/2013	ND	190	95.0	200	13.1	
DRO >C10-C28	<10.0	10.0	11/21/2013	ND	180	89.8	200	4.80	
Surrogate: 1-Chlorooctane	94.2	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	107	% 63.6-15	i4						

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RICE ENVIRONMENTAL CONSULTING & SAFETY

JACOB KAMPLAIN 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received: 11/20/2013 Sampling Date: 11/19/2013

Reported: 11/27/2013 Sampling Type: Soil

Project Name: CONOCO RUBY FEDERAL WELL #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Applyzod By: MC

Project Location: NOT GIVEN

ma/ka

Sample ID: PT. 2 3.5' (H302827-03)

RTFY 8260R

B1EX 8260B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2013	ND	1.84	92.1	2.00	1.58	
Toluene*	<0.050	0.050	11/21/2013	ND	1.90	94.9	2.00	0.599	
Ethylbenzene*	<0.050	0.050	11/21/2013	ND	1.96	98.1	2.00	1.54	
Total Xylenes*	<0.150	0.150	11/21/2013	ND	5.76	96.0	6.00	0.240	
Total BTEX	<0.300	0.300	11/21/2013	ND					
Surrogate: Dibromofluoromethane	97.1	% 61.3-14	2						
Surrogate: Toluene-d8	99.3	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	96.8	% 65.7-14	1						
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	11/25/2013	ND	416	104	400	3.92	
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	11/21/2013	ND	190	95.0	200	13.1	
DRO >C10-C28	<10.0	10.0	11/21/2013	ND	180	89.8	200	4.80	
Surrogate: 1-Chlorooctane	96.7	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	113	% 63.6-15	4						

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RICE ENVIRONMENTAL CONSULTING & SAFETY JACOB KAMPLAIN

419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received: 11/20/2013 Sampling Date: 11/19/2013

Reported: 11/27/2013 Sampling Type: Soil

Project Name: CONOCO RUBY FEDERAL WELL #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MC

Project Location: NOT GIVEN

ma/ka

Sample ID: PT. 3 6" (H302827-04)

RTFY 8260R

B1EX 8260B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2013	ND	1.84	92.1	2.00	1.58	
Toluene*	0.079	0.050	11/21/2013	ND	1.90	94.9	2.00	0.599	
Ethylbenzene*	0.368	0.050	11/21/2013	ND	1.96	98.1	2.00	1.54	
Total Xylenes*	0.553	0.150	11/21/2013	ND	5.76	96.0	6.00	0.240	
Total BTEX	1.00	0.300	11/21/2013	ND					
Surrogate: Dibromofluoromethane	98.4	% 61.3-14	22						
Surrogate: Toluene-d8	95.6	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	130	% 65.7-14	1						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	11/25/2013	ND	416	104	400	3.92	
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	29.4	10.0	11/21/2013	ND	190	95.0	200	13.1	
DRO >C10-C28	569	10.0	11/21/2013	ND	180	89.8	200	4.80	
Surrogate: 1-Chlorooctane	96.4	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	101	% 63.6-15	4						

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received: 11/20/2013 Sampling Date: 11/19/2013

Reported: 11/27/2013 Sampling Type: Soil

Project Name: CONOCO RUBY FEDERAL WELL #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Applyzod By: MC

Project Location: NOT GIVEN

ma/ka

Sample ID: PT. 3 1.5' (H302827-05)

RTFY 8260R

B1EX 8260B	mg	/ Kg	Anaiyze	a By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2013	ND	1.84	92.1	2.00	1.58	
Toluene*	<0.050	0.050	11/21/2013	ND	1.90	94.9	2.00	0.599	
Ethylbenzene*	<0.050	0.050	11/21/2013	ND	1.96	98.1	2.00	1.54	
Total Xylenes*	<0.150	0.150	11/21/2013	ND	5.76	96.0	6.00	0.240	
Total BTEX	<0.300	0.300	11/21/2013	ND					
Surrogate: Dibromofluoromethane	97.6	% 61.3-14	12						
Surrogate: Toluene-d8	99.9	% 71.3-12	19						
Surrogate: 4-Bromofluorobenzene	101	% 65.7-14	!1						
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	11/25/2013	ND	416	104	400	3.92	
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	11/21/2013	ND	190	95.0	200	13.1	
DRO >C10-C28	<10.0	10.0	11/21/2013	ND	180	89.8	200	4.80	
Surrogate: 1-Chlorooctane	99.5	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	107	% 63.6-15	i <i>4</i>						

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RICE ENVIRONMENTAL CONSULTING & SAFETY

JACOB KAMPLAIN 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received: 11/20/2013 Sampling Date: 11/19/2013

Reported: 11/27/2013 Sampling Type: Soil

Project Name: CONOCO RUBY FEDERAL WELL #9 Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Jodi Henson

Project Location: **NOT GIVEN**

Sample ID: PT. 3 2' (H302827-06)

BTEX 8260B	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	11/21/2013	ND	1.84	92.1	2.00	1.58	
Toluene*	<0.050	0.050	11/21/2013	ND	1.90	94.9	2.00	0.599	
Ethylbenzene*	<0.050	0.050	11/21/2013	ND	1.96	98.1	2.00	1.54	
Total Xylenes*	<0.150	0.150	11/21/2013	ND	5.76	96.0	6.00	0.240	
Total BTEX	<0.300	0.300	11/21/2013	ND					
Surrogate: Dibromofluoromethane	96.7	% 61.3-14	2						
Surrogate: Toluene-d8	97.6	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	96.7	% 65.7-14	1						
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	11/25/2013	ND	416	104	400	3.92	
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	11/21/2013	ND	190	95.0	200	13.1	
DRO >C10-C28	<10.0	10.0	11/21/2013	ND	180	89.8	200	4.80	
Surrogate: 1-Chlorooctane	97.5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	108	% 63.6-15	4						

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RICE ENVIRONMENTAL CONSULTING & SAFETY JACOB KAMPLAIN

419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received: 11/20/2013 Sampling Date: 11/19/2013

Reported: 11/27/2013 Sampling Type: Soil

Project Name: CONOCO RUBY FEDERAL WELL #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MC

Project Location: NOT GIVEN

ma/ka

Sample ID: PT. 5 6" (H302827-07)

RTFY 8260R

B1EX 8260B	тд/кд		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2013	ND	1.84	92.1	2.00	1.58	
Toluene*	<0.050	0.050	11/21/2013	ND	1.90	94.9	2.00	0.599	
Ethylbenzene*	<0.050	0.050	11/21/2013	ND	1.96	98.1	2.00	1.54	
Total Xylenes*	<0.150	0.150	11/21/2013	ND	5.76	96.0	6.00	0.240	
Total BTEX	<0.300	0.300	11/21/2013	ND					
Surrogate: Dibromofluoromethane	92.0	% 61.3-14	2						
Surrogate: Toluene-d8	97.2	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	100	% 65.7-14	1						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	11/25/2013	ND	416	104	400	3.92	
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	11/21/2013	ND	190	95.0	200	13.1	
DRO >C10-C28	<10.0	10.0	11/21/2013	ND	180	89.8	200	4.80	
Surrogate: 1-Chlorooctane	98.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	114	% 63.6-15	4						

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RICE ENVIRONMENTAL CONSULTING & SAFETY

JACOB KAMPLAIN 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received: 11/20/2013 Sampling Date: 11/19/2013

Reported: 11/27/2013 Sampling Type: Soil

Project Name: CONOCO RUBY FEDERAL WELL #9 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Applyzod By: MC

Project Location: **NOT GIVEN**

ma/ka

Sample ID: PT. 5 2' (H302827-08)

RTFY 8260R

B1EX 8260B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2013	ND	1.84	92.1	2.00	1.58	
Toluene*	<0.050	0.050	11/21/2013	ND	1.90	94.9	2.00	0.599	
Ethylbenzene*	<0.050	0.050	11/21/2013	ND	1.96	98.1	2.00	1.54	
Total Xylenes*	<0.150	0.150	11/21/2013	ND	5.76	96.0	6.00	0.240	
Total BTEX	<0.300	0.300	11/21/2013	ND					
Surrogate: Dibromofluoromethane	101	% 61.3-14	2						
Surrogate: Toluene-d8	98.3	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	98.6	% 65.7-14	1						
Chloride, SM4500Cl-B	mg	'kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/25/2013	ND	416	104	400	3.92	
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	11/21/2013	ND	190	95.0	200	13.1	
DRO >C10-C28	23.0	10.0	11/21/2013	ND	180	89.8	200	4.80	
Surrogate: 1-Chlorooctane	83.6	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	97.9	% 63.6-15	4						

Surrogate: 1-Chlorooctadecane

Cardinal Laboratories *=Accredited Analyte

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RICE ENVIRONMENTAL CONSULTING & SAFETY

JACOB KAMPLAIN 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received: 11/20/2013 Sampling Date: 11/19/2013

Reported: 11/27/2013 Sampling Type: Soil

Project Name: CONOCO RUBY FEDERAL WELL #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Applyzod By: MC

Project Location: NOT GIVEN

ma/ka

Sample ID: PT. 5 2.5' (H302827-09)

RTFY 8260R

B1EX 8260B	тд/кд		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2013	ND	1.84	92.1	2.00	1.58	
Toluene*	<0.050	0.050	11/21/2013	ND	1.90	94.9	2.00	0.599	
Ethylbenzene*	<0.050	0.050	11/21/2013	ND	1.96	98.1	2.00	1.54	
Total Xylenes*	<0.150	0.150	11/21/2013	ND	5.76	96.0	6.00	0.240	
Total BTEX	<0.300	0.300	11/21/2013	ND					
Surrogate: Dibromofluoromethane	99.1	% 61.3-14	2						
Surrogate: Toluene-d8	97.9	% 71.3-12	9						
Surrogate: 4-Bromofluorobenzene	98.2	% 65.7-14	1						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/25/2013	ND	416	104	400	3.92	
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	11/21/2013	ND	190	95.0	200	13.1	
DRO >C10-C28	<10.0	10.0	11/21/2013	ND	180	89.8	200	4.80	
Surrogate: 1-Chlorooctane	99.0	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	108	% 63.6-15	4						

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

	(575) 393-2326 FAX (57	5) 393-2476			· · · · · · · · · · · · · · · · · · ·							: 					
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analyses. All claims includi	ng those for negligence and any other cause w	hatsoever shall be deemed waiv	ed unless made in writing an	nd received by Cardinal	l within 30 days after o	completion of th	e applicab	le					•			•	
Relinquished B	ardinal be liable for incidental or consequental no out of or related to the performance of services	pes ne environ paragol, rega te: Recei	rdless of whether such claim	is based upon any of t		ons or otherwis		□ Yes	□ No	PhbA	Phone	#•					
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Appendix C Final Laboratory Analyses



April 04, 2014

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

RE: RUBY FEDERAL WELL #9

Enclosed are the results of analyses for samples received by the laboratory on 04/03/14 13:20.

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.

Celes D. Keeno

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: 04/03/2014 Sampling Date: 04/02/2014

Reported: 04/04/2014 Sampling Type: Soil

Project Name: **RUBY FEDERAL WELL #9** Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: SEC. 4 PT. 1 @ 6" (H400996-01)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2014	ND	2.59	129	2.00	1.32	
Toluene*	<0.050	0.050	04/04/2014	ND	2.50	125	2.00	0.955	
Ethylbenzene*	<0.050	0.050	04/04/2014	ND	2.47	124	2.00	1.10	
Total Xylenes*	<0.150	0.150	04/04/2014	ND	7.08	118	6.00	0.890	
Total BTEX	<0.300	0.300	04/04/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/04/2014	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	04/04/2014	ND	183	91.4	200	1.10	
DRO >C10-C28	<10.0	10.0	04/04/2014	ND	203	101	200	5.74	
Surrogate: 1-Chlorooctane	104 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	100 9	% 63.6-15	1						

Surrogate: 1-Chlorooctadecane 63.6-154

Cardinal Laboratories *=Accredited Analyte

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RICE ENVIRONMENTAL CONSULTING & SAFETY

KYLE NORMAN 419 W. CAIN

HOBBS NM, 88240

Fax To: (575) 397-1471

Received: 04/03/2014 Sampling Date: 04/03/2014

Reported: 04/04/2014 Sampling Type: Soil

Project Name: RUBY FEDERAL WELL #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: SEC. 4 PT. 2 @ 6" (H400996-02)

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	04/04/2014	ND	2.59	129	2.00	1.32	
Toluene*	<0.050	0.050	04/04/2014	ND	2.50	125	2.00	0.955	
Ethylbenzene*	< 0.050	0.050	04/04/2014	ND	2.47	124	2.00	1.10	
Total Xylenes*	<0.150	0.150	04/04/2014	ND	7.08	118	6.00	0.890	
Total BTEX	<0.300	0.300	04/04/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/04/2014	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	04/04/2014	ND	183	91.4	200	1.10	
DRO >C10-C28	<10.0	10.0	04/04/2014	ND	203	101	200	5.74	
Surrogate: 1-Chlorooctane	112 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	108 9	63.6-15	4						

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Celey D. Keene

Cardinal Laboratories

*=Accredited Analyte



RICE ENVIRONMENTAL CONSULTING & SAFETY

KYLE NORMAN 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received: 04/03/2014 Sampling Date: 04/03/2014

Reported: 04/04/2014 Sampling Type: Soil

Project Name: **RUBY FEDERAL WELL #9** Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: **NOT GIVEN**

Sample ID: SEC. 4 PT. 3 @ 1' (H400996-03)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2014	ND	2.59	129	2.00	1.32	
Toluene*	<0.050	0.050	04/04/2014	ND	2.50	125	2.00	0.955	
Ethylbenzene*	<0.050	0.050	04/04/2014	ND	2.47	124	2.00	1.10	
Total Xylenes*	<0.150	0.150	04/04/2014	ND	7.08	118	6.00	0.890	
Total BTEX	<0.300	0.300	04/04/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/04/2014	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	04/04/2014	ND	183	91.4	200	1.10	
DRO >C10-C28	<10.0	10.0	04/04/2014	ND	203	101	200	5.74	
Surrogate: 1-Chlorooctane	114 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	112	% 63 6-15	14						

112 % Surrogate: 1-Chlorooctadecane 63.6-154

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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

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ARDINAL LABORATORIES

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

Company Name:	(/	6 FAX (505) 393-24		102	, .						E	311	L TO					-	ANAL	YSIS	REQUES	Т	_	
Project Manager:	7								P.0	. #:														
Address:	kyle Norman								Cor	mpa	ny:								SU					
City: Hobbs		State: NM	Zip	88	240				Att	n:									.0					
Phone #:		Fax #:							Add	dres	ss:								A					
Project #:		Project Owner							Cit	y:					S	Σ		포	18/					
Project Name:	Anna Phillip	-							Sta	te:			Zip:		g	15	×	부	ō	S				1
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Sampler Name:	Chris Flores	NEW TOTAL							Fax	x #:		_			호	I	m	×	0	-				
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[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



May 19, 2014

LAURA FLORES
RICE ENVIRONMENTAL CONSULTING & SAFETY LLC
419 W. CAIN
HOBBS, NM 88240

RE: RUBY FEDERAL WELL #9

Enclosed are the results of analyses for samples received by the laboratory on 05/19/14 12:15.

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/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.

Celes D. Keeno

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

LAURA FLORES 419 W. CAIN HOBBS NM, 88240

Fax To: (575) 397-1471

Received: 05/19/2014 Sampling Date: 05/19/2014

Reported: 05/19/2014 Sampling Type: Soil

Project Name: RUBY FEDERAL WELL #9 Sampling Condition: ** (See Notes)
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: IMPORTED BACKFILL (H401524-01)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	05/19/2014	ND	416	104	400	3.92	

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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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 BILL TO

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





May 30, 2014

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

RE: RUBY FEDERAL WELL #9

Enclosed are the results of analyses for samples received by the laboratory on 05/23/14 11:10.

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

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

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

Accreditation applies to public drinking water matrices.

Celes D. Keeno

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: 05/23/2014 Sampling Date: 05/23/2014

Reported: 05/30/2014 Sampling Type: Soil

Project Name: RUBY FEDERAL WELL #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: NORTH WALL (H401584-01)

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	05/29/2014	ND	2.07	103	2.00	3.77	
Toluene*	<0.050	0.050	05/29/2014	ND	2.05	102	2.00	3.01	
Ethylbenzene*	<0.050	0.050	05/29/2014	ND	1.96	98.2	2.00	3.78	
Total Xylenes*	< 0.150	0.150	05/29/2014	ND	6.15	102	6.00	3.77	
Total BTEX	<0.300	0.300	05/29/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/29/2014	ND	416	104	400	3.92	
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	05/27/2014	ND	199	99.5	200	1.11	
DRO >C10-C28	<10.0	10.0	05/27/2014	ND	213	107	200	0.0136	
Surrogate: 1-Chlorooctane	125 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	121 9	63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

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RICE ENVIRONMENTAL CONSULTING & SAFETY

KYLE NORMAN 419 W. CAIN

HOBBS NM, 88240

Fax To: (575) 397-1471

Received: 05/23/2014 Sampling Date: 05/23/2014

Reported: 05/30/2014 Sampling Type: Soil

Project Name: RUBY FEDERAL WELL #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: EAST WALL NORTH (H401584-02)

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	05/29/2014	ND	2.07	103	2.00	3.77	
Toluene*	<0.050	0.050	05/29/2014	ND	2.05	102	2.00	3.01	
Ethylbenzene*	<0.050	0.050	05/29/2014	ND	1.96	98.2	2.00	3.78	
Total Xylenes*	<0.150	0.150	05/29/2014	ND	6.15	102	6.00	3.77	
Total BTEX	<0.300	0.300	05/29/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	89.4-12	6						
Chloride, SM4500Cl-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	05/29/2014	ND	416	104	400	3.92	
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	05/27/2014	ND	199	99.5	200	1.11	
DRO >C10-C28	<10.0	10.0	05/27/2014	ND	213	107	200	0.0136	
Surrogate: 1-Chlorooctane	117 9	65.2-14	0						
Surrogate: 1-Chlorooctadecane	110 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: 05/23/2014 Sampling Date: 05/23/2014

Reported: 05/30/2014 Sampling Type: Soil

Project Name: RUBY FEDERAL WELL #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: EAST WALL SOUTH (H401584-03)

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	05/29/2014	ND	2.07	103	2.00	3.77	
Toluene*	<0.050	0.050	05/29/2014	ND	2.05	102	2.00	3.01	
Ethylbenzene*	<0.050	0.050	05/29/2014	ND	1.96	98.2	2.00	3.78	
Total Xylenes*	<0.150	0.150	05/29/2014	ND	6.15	102	6.00	3.77	
Total BTEX	<0.300	0.300	05/29/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/29/2014	ND	416	104	400	3.92	
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	05/27/2014	ND	199	99.5	200	1.11	
DRO >C10-C28	<10.0	10.0	05/27/2014	ND	213	107	200	0.0136	
Surrogate: 1-Chlorooctane	119 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	119 %	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: 05/23/2014 Sampling Date: 05/23/2014

Reported: 05/30/2014 Sampling Type: Soil

Project Name: RUBY FEDERAL WELL #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: WEST WALL NORTH (H401584-04)

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	05/29/2014	ND	2.07	103	2.00	3.77	
Toluene*	< 0.050	0.050	05/29/2014	ND	2.05	102	2.00	3.01	
Ethylbenzene*	< 0.050	0.050	05/29/2014	ND	1.96	98.2	2.00	3.78	
Total Xylenes*	<0.150	0.150	05/29/2014	ND	6.15	102	6.00	3.77	
Total BTEX	<0.300	0.300	05/29/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/29/2014	ND	416	104	400	3.92	
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	05/27/2014	ND	199	99.5	200	1.11	
DRO >C10-C28	<10.0	10.0	05/27/2014	ND	213	107	200	0.0136	
Surrogate: 1-Chlorooctane	117 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	116 %	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: 05/23/2014 Sampling Date: 05/23/2014

Reported: 05/30/2014 Sampling Type: Soil

Project Name: RUBY FEDERAL WELL #9 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: WEST WALL SOUTH (H401584-05)

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	05/29/2014	ND	2.07	103	2.00	3.77	
Toluene*	< 0.050	0.050	05/29/2014	ND	2.05	102	2.00	3.01	
Ethylbenzene*	< 0.050	0.050	05/29/2014	ND	1.96	98.2	2.00	3.78	
Total Xylenes*	<0.150	0.150	05/29/2014	ND	6.15	102	6.00	3.77	
Total BTEX	<0.300	0.300	05/29/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	6 89.4-12	6						
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	05/29/2014	ND	432	108	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	05/27/2014	ND	199	99.5	200	1.11	
DRO >C10-C28	<10.0	10.0	05/27/2014	ND	213	107	200	0.0136	
Surrogate: 1-Chlorooctane	116 %	65.2-14	0						
Surrogate: 1-Chlorooctadecane	115 %	63.6-15	4						

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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

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RDINAL LABORATORIES

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

(505) 393-2326 FAX (505) 393	-2410	(32	5) (110	7001	T			P	SII.	470					A	ANAL	YSIS	REQU	EST	-		_
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Project #: Project Ow	mer:						City						S	5		古	SU C						
Project Name: Conoco Phillips			_				Sta		_	- 4	Zip:		Chlorides	8015	BTEX	Texas TPH	Cations/Anions	TDS					
Project Location: Ruby Federal #9								one	#:	_			0	∞	F	as	Ö	岸					
Sampler Name: Chris Flores		_	_	_	MATR	_		PRE	SEE	ev.	SAMPLI	NG	등	TPH	ш	e.					1 1		
FOR LAB USE ONLY	a.				MAIR	Î								F		-	<u>e</u>						
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME					Complete						
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ad to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise

Relinquished By: Relinquished By:	Date: 1-27-7614 Time: 11:10 Am Date: Time:	Redeived	di He		Phone Result: Fax Result: REMARKS: email: hcc lweinheim jkamplain	er@ric	e-ecs.	com; knorm	ores@rice-e	ecs.com;
Delivered By: (Circle One) Sampler - UPS - Bus - Other:			Sample Condition Cool Intact Yes Yes No No	CHEOKED BY:	cursanic@ Environm	price-e	cs.com			@rice-ecs.com

[†] Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2446

Appendix D Photo Documentation

ConocoPhillips Ruby Federal Well #9 Unit Letter O, Section 18, T17S, R32E



Initial release area, facing north

11/14/13



Initial release area, facing east





Initial release area, facing NNE

11/14/13



Initial release area, facing east

11/14/13



Completed auguring for depth, facing northwest 11/19/13



Shoveling release around well head, facing north 4/2/14



Beginning scraping activities, facing south 4/2/14



Excavating area around point 4, facing west



Excavating around point 4, facing west





Excavation final, facing east





Excavation final, facing north

4/3/14



Exporting soil, facing northwest

4/3/14



Backfilling point 1 excavation, facing northeast 4/4/14



Backdragging point 2 area, facing northeast 4/7/14



Backfilling point 2 excavation, facing southeast 4/4/14



Backdragging point 1 area, facing northeast 4/24/14



Completed site, facing north

4/7/14



Completed site, facing southeast

4/7/14



Seeding pasture area, facing northeast

5/7/14



Completed site, facing southeast

5/7/14

Appendix E

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

1220 South St. Francis Dr. Santa Fe NM 87505

Oil Conservation Division

			Rel	ease Notific		and Co		ction	1			
						OPERA'				al Report		Final Repor
Name of C	ompany (Conoco Phill	lips		.0	Contact						
		Complex La				Telephone I	No.					- 1
Facility Na	me Ruby	Federal We	11 #9			Facility Typ	e Well					
Surface Ov	vner BLM	r		Mineral (Owner	BLM			API No	3002540	0360	
				LOCA	ATION	OF RE	EASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/	West Line	County		
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By Whom?	David Mav					Date and F	lour: 11/12/13 3::	50 pm				
Was a Water				*			lume Impacting		ercourse.			
		- 1	Yes 🗵] No								
and 15 BO v Describe Are and 15 barre was replaced submitted to surface and surface samp readings. As December 13 and BLM ap composite sa analysis and A total of 80 was backfille I hereby cert regulations a public health should their or the environ	with 20 BPW ea Affected els of oil ove d and NMOCD at with depth. oles showed s Point 2, Po 8th, 2013, a c proved the c amples for ea returned va d yards of sale ed and conto ify that the full operators of the envi operations h onment. In a	and 10 BO r and Cleanup r 4,360 square CD and BLM. REG Representative elevated laborint 3 and Poin Corrective Ac CAP on Janua ach scrape we lues below re- ind and 300 yas oured to the standard to tronment. The nave failed to	Action Tale feet of progression of the samples or atory chlored to the samples or atory chlored to feet a gulatory stards of californ above to report a e acceptance adequately OCD acception Tale of the samples of the	n Taken.* At the MSO blocked in ken.* On Nover imarily lease pad ied of the release nel were on site be from the release or ide levels, Gaso sampled with dept (CAP) was submited. A total of the center of the company of the center of and company of the center of a C-141 report investigate and relations of a C-141 report investigate and relations.	1/4 inch v nber I I th . A total on Nove eginning were tak- line Ran th, all contect to N ton activity chloride of 270 ya d to the stall plete to the release no ort by the	alve, remove 2, 2013, the to of 20 barrels ember 12 th , 20 on November to a comminge Organics of the pasture and organic the pasture and best of my otifications are NMOCD me contaminati	d handle and replet of a ¼ inch gate of produced wat off produced wat off an initial C of 14 th , 2013 to assercial laboratory (GRO) readings, pped below regulations. The saminated soil was to the contaminate was seeded whowledge and the perform correcarked as "Final Roon that pose a third of the pose a third pose a	aced gauge blew ter and la-141 wassess the for anal Diesel Flatory st verbally 2 nd , 201 nples we aken to d soil ta ith BLM indersta ettive act reat to g	uge. 7 out releas 10 barrels o s signed on release. The lysis. In all Range Orga andards be approved t 4. The site ere taken to a NMOCD ken for dis I mix #2. Ind that purs ions for rel loes not rel round wate	ing 36 barre f oil were re November he release w l five sampli nics (DRO) tween 1.5 ft he CAP on l was scraped a commerci approved fa posal. On A suant to NM eases which ieve the ope r, surface wa	els of procecovered 12 th , 20 vas samp ing point reading and 3 ft December down a ial labor acility for pril 7 th , 20CD run may enerator of ater, hur	oduced water I. The gauge II and bled at the its, the its and BTEX it bgs. On oer 18 th , 2013 and ratory for or disposal, 2014 the site lies and idanger liability man health
Signature:	Zu-	allol	L				OIL CON	SERV	ATION	DIVISIO	<u>NC</u>	
Printed Nam	ie: SEAI	V ROBER	250N			Approved by	Environmental S	pecialis	t:			
Title:	PERATTON	53 SM	PERUSO	e		Approval Dat	e:		Expiration	Date:		
E-mail Addr		to robinso-	~	Cop. Com	4.77	Conditions of	Approval:			Attached	ı 🗆	
Date: 0/2	114		Phone	575-390-99	(