



2057 Commerce Drive Midland, TX 79703

432.520.7720 PHONE 432.520.7701 FAX

www.TRCsolutions.com

RECEIVED

By JKeyes at 3:08 pm, Oct 14, 2015

APPROVED

By JKeyes at 3:08 pm, Oct 14, 2015

Jan & Vhyer

September 24, 2015

Kellie Jones Environmental Specialist New Mexico Oil Conservation Division – District 1 1625 N. French Drive Hobbs, New Mexico 88240

Re: Remediation Summary and Site Closure Request
Three Rivers Operating Company, LLC
Eagle 2 State 6H Release Site
NMOCD Reference 1RP-3567
Unit Letter "O", Section 2, Township 20 South, Range 34 East, NMPM
Lea County, New Mexico

Dear Ms. Jones,

TRC Solutions (TRC), on behalf of Three Rivers Operating Company, LLC (3ROC) is pleased to present the New Mexico Oil Conservation Division (NMOCD), with this Remediation Summary and Site Closure Request for the crude oil and produced water release which occurred at the Eagle 2 State 6H well site. The Eagle 2 State 6H well site is located approximately sixteen (16) miles west of Monument in Lea County, New Mexico. The release site is located in Unit Letter "O", Section 2, Township 20 South, Range 34 East. The GPS coordinates for the site are N 32.5958° and W 103.5287°. The property landowner is The State of New Mexico Land Trust. A Site Location Map is provided as Figure 1.

On February 16, 2015, a crude oil and produced water release occurred at the Eagle 2 State 6H Well site. According to a 3ROC representative, "An offset operator frac'd into our well and caused a small stuffing box leak which led to a release at the battery inside the containment with plastic liner. Location (Well site) had 1 bbl of oil and 30 bbls of water at well and 10 bbls of oil and 220 bbls of water at the battery inside the containment." Please note, according to 3ROC, the Eagle 2 State 3 Release (1RP-3566) and the Eagle 2 State 6H Release (1RP-3567) are attributed to a single incident. According to 3ROC, approximately eleven (11) bbls of crude oil were released and recovered at the Eagle 2 State 6H well site and placed in the crude oil storage tanks. In addition, approximately thirty (30) bbls of produced water were released and transported to a Salt Water Disposal (SWD) facility. For reference, attached Figure 2 depicts the impacted area and the soil sample locations at the 3ROC Eagle 2 State 6H well site Release Site. The NMOCD Form C-141 (Release Notification and Corrective Action) is attached.

A database maintained by the New Mexico Office of the State Engineer did not identify any registered water wells in Section 2, Township 20 South, Range 34 East. A reference map utilized by the New

Mexico Oil Conservation Division (NMOCD) Hobbs District Office, indicates groundwater should be encountered at approximately ninety (90) feet below ground surface (bgs). No water wells or surface water was observed within one thousand (1,000) feet of the release. Based on the NMOCD Site Classification criteria, the Release Site remediation levels are 10 mg/Kg for benzene, 50 mg/Kg for benzene, toluene, ethylbenzene, and toluene (BTEX) and 1,000 mg/Kg for total petroleum hydrocarbons (TPH). Generally, the NMOCD approves leaving chloride concentrations less than 500 mg/Kg in place if the depth to groundwater in the release area is less than one hundred (100) bgs and greater than fifty (50) feet bgs, provided vertical delineation to 250 mg/Kg is achieved.

According to 3ROC, "field staff cleaned inside the tank battery and scraped up the dirt that was affected at the wellhead and hauled off". On March 30, 2015, TRC collected two (2) soil samples (S1 @ 3" and S2 @ 3") and submitted the soil samples to Permian Basin Environmental Lab, LP in Midland, Texas. Soil samples were analyzed for concentrations of BTEX using Method SW846-8021B, TPH using Method SW846-8015M, and chloride using Method E300.0.

The analytical results indicated, benzene concentrations ranged from 0.0167 mg/Kg for soil sample S2 @ 3" to 0.861 mg/Kg for soil sample S1 @ 3". BTEX concentrations ranged from 0.5857 mg/Kg for soil sample S2 @ 3" to 20.461 mg/Kg for soil sample S1 @ 3". TPH concentrations ranged from 14,540 mg/Kg for soil sample S1 @ 3" to 19,110 mg/Kg for soil sample S2 @ 3". Chloride concentrations ranged from 368 mg/Kg for soil sample S2 @ 3" to 4,270 for soil sample S1 @ 3". Please reference Figure 2 for soil sample locations. A table summarizing Benzene, BTEX, TPH, and Chloride Concentrations in Soil is provided as Table 1. Laboratory analytical data is provided.

Based on the analytical results, additional remediation and vertical delineation was warranted at the release site. According to 3ROC, a roustabout crew scraped approximately three (3) inches of soil from the impacted area.

On May 18, 2015, TRC collected two (2) soil samples (S1a @ 6" and S2a @ 1") and the soil samples were submitted to the laboratory for analysis. The analytical results indicated benzene and BTEX concentrations were less than the appropriate laboratory MDL for all soil samples. TPH concentrations ranged from less than the laboratory MDL of 26.6 mg/Kg for soil sample S2a @ 1" to 982 mg/Kg for soil sample S1a @ 6". Chloride concentrations ranged from less than the laboratory MDL of 1.06 mg/Kg for soil sample S2a @ 1" to 280 mg/Kg for soil sample S1a @ 6". Please reference Figure 2 for soil sample locations.

Based on the analytical results, additional remediation and vertical delineation of chloride impact was warranted in the area represented by soil sample S1a @ 6".

On June 12, 2015, a hand auger was utilized to vertically delineate the area represented by soil sample S1a @ 6". Soil samples were collected at nine (9) inches (S1b @ 9") and twelve (12) inches bgs (S1c @ 12") and submitted to the laboratory for chloride analysis The analytical results indicated, chloride concentrations ranged from 6.99 mg/Kg for soil sample S1c @ 12" to 23.3 mg/Kg for soil sample S1b @ 9".

Based on the analytical results, 3ROC requests the NMOCD approve Site Closure Status for the Eagle 2 State 6H Release Site.



TRC has prepared this Remediation Summary and Site Closure Request to the best of its ability. No other warranty, expressed or implied, is made or intended.

TRC has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. TRC has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and the information provided in documents or statements is true and accurate. TRC has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. TRC also notes the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Three Rivers Operating Company, LLC. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of TRC and/or Three Rivers Operating Company, LLC.

If you have any questions, or if additional information is needed, please feel free to call me at 432-520-7720 (office) or 432-559-3296 (cell).

Thank you,

Curt D. Stanley

Senior Project Manager TRC Solutions, Inc.

Brittan K. Byerly Managing Principal TRC Solutions, Inc.

Attachments:

Figure 1 - Site Location Map

Figure 2 - Site Details Schematic and Soil Sample Locations Map

Table 1 – Benzene, BTEX, TPH, and Chloride Concentrations in Soil

Laboratory Analytical Reports

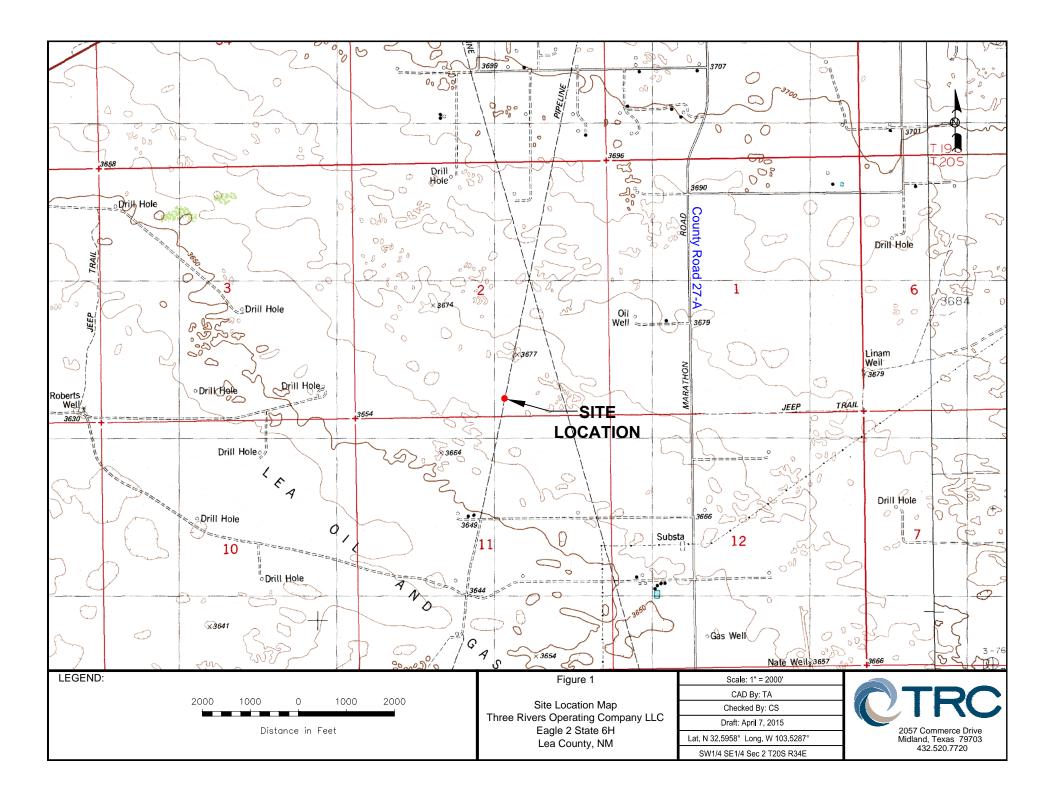
NMOCD Form C-141

Three Rivers Operating Company, LLC.

file

cc:





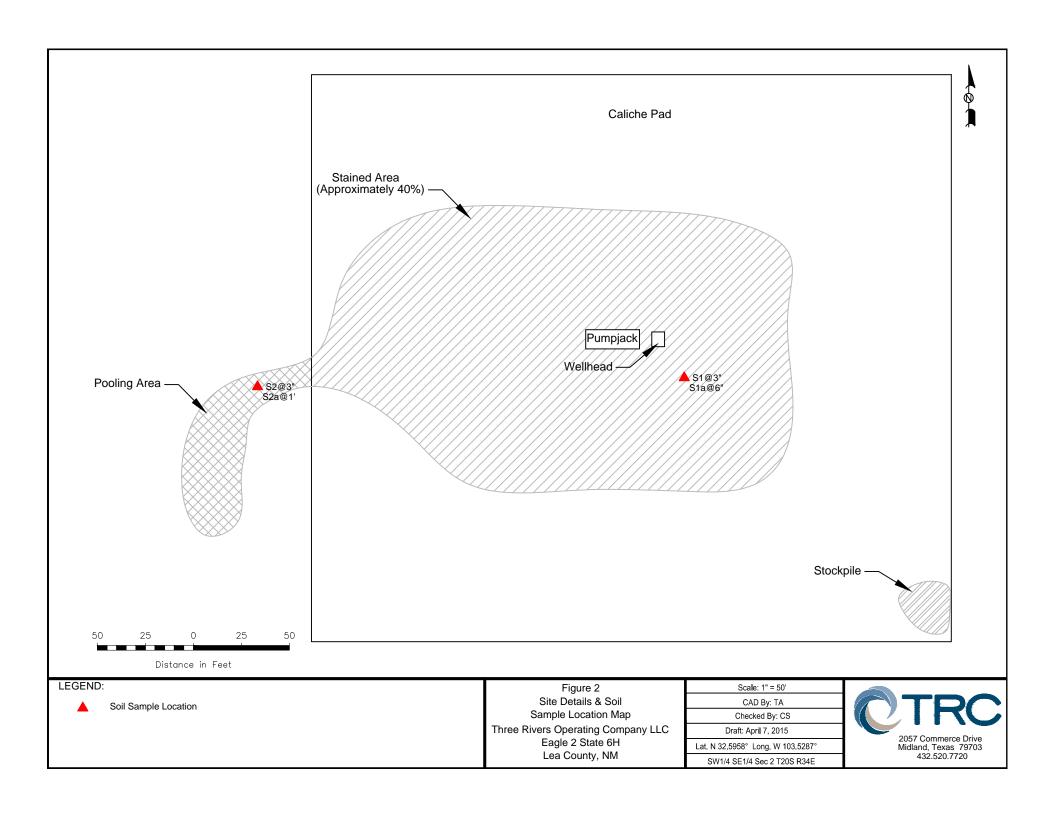


TABLE 1

BENZENE, BTEX, TPH AND CHLORIDE CONCENTRATIONS IN SOIL

THREE RIVERS OPERATING EAGLE 2 STATE 6H (WELL #6) LEA COUNTY, NEW MEXICO

All Concentrations are reported in mg/Kg

				EPA SW 8	346-8015M				EPA SW 846-	8021B, 5030			E 300.1
SAMPLE DATE	SAMPLE LOCACTION	SAMPLE DEPTH	GRO C6-C12 mg/Kg	DRO C12-C28 mg/Kg	ORO C28-C35 mg/Kg	ТРН С ₆ -С ₃₅	BENZENE	TOLUENE	ETHYL- BENZENE	m, p - XYLENES	o - XYLENES	BTEX	CHLORIDE
	NMOCD REGULATORY GUIDELINE		-	-		1,000	10	-	-	-	-	50	500
03/30/15	S1 @ 3"	3"	2,130	11,000	1,410	14,540	0.861	5.05	3.85	10.7	3.75	20.461	4,270
05/18/15	S1a @ 6"	6"	<28.4	835	147	982	< 0.00114	< 0.00227	< 0.00114	< 0.00227	< 0.00114	< 0.00227	280
03/30/15	S2 @ 3"	3"	1,660	15,800	1,650	19,110	0.0167	0.0631	0.0819	0.424	0.101	0.5857	368
05/18/15	S2a @ 1'	1'	<26.6	<26.6	<26.6	<26.6	< 0.00106	< 0.00213	< 0.00106	< 0.00213	< 0.00106	< 0.00213	<1.06

PERMIAN BASIN ENVIRONMENTAL LAB, LP 10014 SCR 1213 Midland, TX 79706



Analytical Report

Prepared for:

Curt Stanley
TRC Solutions- Midland, Texas
2057 Commerce Street
Midland, TX 79703

Project: Three Rivers Eagle 2 State 6H (Well #6)

Project Number: 234320 Location: Lea County, NM

Lab Order Number: 5C31006



NELAP/TCEQ # T104704156-13-3

Report Date: 04/06/15

Project: Three Rivers Eagle 2 State 6H (Well #6)

2057 Commerce Street Midland TX, 79703 Project Number: 234320 Project Manager: Curt Stanley Fax: (432) 520-7701

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S1 @ 3"	5C31006-01	Soil	03/30/15 11:00	03-31-2015 12:03
S2 @ 3"	5C31006-02	Soil	03/30/15 11:10	03-31-2015 12:03

Project: Three Rivers Eagle 2 State 6H (Well #6)

2057 Commerce Street Midland TX, 79703 Project Number: 234320 Project Manager: Curt Stanley Fax: (432) 520-7701

S1 @ 3" 5C31006-01 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Perm	iian Basin E	nvironmen	tal Lab, l	L .P.				
Organics by GC									
Benzene	0.861	0.0215	mg/kg dry	20	P5D0203	04/01/15	04/01/15	EPA 8021B	
Toluene	5.05	0.0430	mg/kg dry	20	P5D0203	04/01/15	04/01/15	EPA 8021B	
Ethylbenzene	3.85	0.0215	mg/kg dry	20	P5D0203	04/01/15	04/01/15	EPA 8021B	
Xylene (p/m)	10.7	0.0430	mg/kg dry	20	P5D0203	04/01/15	04/01/15	EPA 8021B	
Xylene (o)	3.75	0.0215	mg/kg dry	20	P5D0203	04/01/15	04/01/15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	75-1	25	P5D0203	04/01/15	04/01/15	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	75-1	25	P5D0203	04/01/15	04/01/15	EPA 8021B	
General Chemistry Parameters by EF	PA / Standard Method	ls							
Chloride	4270	26.9	mg/kg dry	25	P5D0301	03/31/15	03/31/15	EPA 300.0	
% Moisture	7.0	0.1	%	1	P5D0105	04/01/15	04/01/15	% calculation	
Total Petroleum Hydrocarbons C6-C	35 by EPA Method 80)15M							
C6-C12	2130	134	mg/kg dry	5	P5D0107	03/31/15	03/31/15	TPH 8015M	
>C12-C28	11000	134	mg/kg dry	5	P5D0107	03/31/15	03/31/15	TPH 8015M	
>C28-C35	1410	134	mg/kg dry	5	P5D0107	03/31/15	03/31/15	TPH 8015M	
Surrogate: 1-Chlorooctane		116 %	70-1	30	P5D0107	03/31/15	03/31/15	TPH 8015M	
Surrogate: o-Terphenyl		116 %	70-1	30	P5D0107	03/31/15	03/31/15	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	14500	134	mg/kg dry	5	[CALC]	03/31/15	03/31/15	calc	

Project: Three Rivers Eagle 2 State 6H (Well #6)

2057 Commerce Street Midland TX, 79703 Project Number: 234320 Project Manager: Curt Stanley Fax: (432) 520-7701

S2 @ 3" 5C31006-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
						Tropured	2 mary 200	monod	110103
	Pern	nian Basin E	invironmen	ital Lab, I	L .P.				
Organics by GC									
Benzene	0.0167	0.00104	mg/kg dry	1	P5D0203	04/01/15	04/01/15	EPA 8021B	
Toluene	0.0631	0.00208	mg/kg dry	1	P5D0203	04/01/15	04/01/15	EPA 8021B	
Ethylbenzene	0.0819	0.00104	mg/kg dry	1	P5D0203	04/01/15	04/01/15	EPA 8021B	
Xylene (p/m)	0.424	0.00208	mg/kg dry	1	P5D0203	04/01/15	04/01/15	EPA 8021B	
Xylene (o)	0.101	0.00104	mg/kg dry	1	P5D0203	04/01/15	04/01/15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		102 %	75-1	25	P5D0203	04/01/15	04/01/15	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		58.7 %	75-1	25	P5D0203	04/01/15	04/01/15	EPA 8021B	S-GC
General Chemistry Parameters by E	PA / Standard Method	ds							
Chloride	368	1.04	mg/kg dry	1	P5D0301	03/31/15	03/31/15	EPA 300.0	
% Moisture	4.0	0.1	%	1	P5D0105	04/01/15	04/01/15	% calculation	
Total Petroleum Hydrocarbons C6-C	C35 by EPA Method 8	015M							
C6-C12	1660	130	mg/kg dry	5	P5D0107	03/31/15	03/31/15	TPH 8015M	
>C12-C28	15800	130	mg/kg dry	5	P5D0107	03/31/15	03/31/15	TPH 8015M	
>C28-C35	1650	130	mg/kg dry	5	P5D0107	03/31/15	03/31/15	TPH 8015M	
Surrogate: 1-Chlorooctane		107 %	70-1	30	P5D0107	03/31/15	03/31/15	TPH 8015M	
Surrogate: o-Terphenyl		110 %	70-1	30	P5D0107	03/31/15	03/31/15	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	19100	130	mg/kg dry	5	[CALC]	03/31/15	03/31/15	calc	

Project: Three Rivers Eagle 2 State 6H (Well #6)

2057 Commerce Street Project Num
Midland TX, 79703 Project Mana

Fax: (432) 520-7701

Project Number: 234320
Project Manager: Curt Stanley

Organics by GC - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD		ĺ
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes	ı

Blank (P5D0203-BLK1)				Prepared & Anal	lyzed: 04/01/15				
Benzene	ND	0.00100	mg/kg wet						
Γoluene	ND	0.00200	"						
Ethylbenzene	ND	0.00100	"						
Xylene (p/m)	ND	0.00200	"						
Xylene (o)	ND	0.00100	"						
Surrogate: 1,4-Difluorobenzene	52.4		ug/kg	60.0	87.3	75-125			
Surrogate: 4-Bromofluorobenzene	66.7		"	60.0	111	75-125			
LCS (P5D0203-BS1)				Prepared & Anal	lyzed: 04/01/15				
Benzene	0.105	0.00100	mg/kg wet	0.100	105	70-130			
Toluene	0.113	0.00200	"	0.100	113	70-130			
Ethylbenzene	0.111	0.00100	"	0.100	111	70-130			
Xylene (p/m)	0.233	0.00200	"	0.200	116	70-130			
Xylene (o)	0.117	0.00100	"	0.100	117	70-130			
Surrogate: 1,4-Difluorobenzene	60.1		ug/kg	60.0	100	75-125			
Surrogate: 4-Bromofluorobenzene	67.9		"	60.0	113	75-125			
LCS Dup (P5D0203-BSD1)				Prepared & Anal	lyzed: 04/01/15				
Benzene	0.104	0.00100	mg/kg wet	0.100	104	70-130	1.01	20	
Toluene	0.116	0.00200	"	0.100	116	70-130	2.64	20	
Ethylbenzene	0.110	0.00100	"	0.100	110	70-130	0.190	20	
Xylene (p/m)	0.228	0.00200	"	0.200	114	70-130	2.18	20	

0.100

60.0

60.0

0.117

66.5

62.4

0.00100

ug/kg

Xylene (o)

Surrogate: 4-Bromofluorobenzene

Surrogate: 1,4-Difluorobenzene

117

111

104

70-130

75-125

75-125

0.428

20

TRC Solutions- Midland, Texas Project: Three Rivers Eagle 2 State 6H (Well #6)

2057 Commerce StreetProject Number: 234320Midland TX, 79703Project Manager: Curt Stanley

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P5D0105 - *** DEFAULT PREP ***										
Blank (P5D0105-BLK1)				Prepared &	Analyzed	: 04/01/15				
% Moisture	ND	0.1	%							
Duplicate (P5D0105-DUP1)	Sou	rce: 5C31003	-01	Prepared &	Analyzed	: 04/01/15				
% Moisture	ND	0.1	%		0.0				20	
Duplicate (P5D0105-DUP2)	Sou	rce: 5C31003	-05	Prepared &	Analyzed:	: 04/01/15				
% Moisture	ND	0.1	%		0.0				20	
Duplicate (P5D0105-DUP3)	Sou	rce: 5C31004	-03	Prepared &	. Analyzed:	: 04/01/15				
% Moisture	ND	0.1	%		0.0				20	
Batch P5D0301 - *** DEFAULT PREP ***										
Blank (P5D0301-BLK1)				Prepared &	Analyzed:	: 03/31/15				
Chloride	ND	1.00	mg/kg wet							
LCS (P5D0301-BS1)				Prepared &	Analyzed:	: 03/31/15				
Chloride	104	1.00	mg/kg wet	100	-	104	80-120			
LCS Dup (P5D0301-BSD1)				Prepared &	Analyzed:	: 03/31/15				
Chloride	104	1.00	mg/kg wet	100		104	80-120	0.00	20	
Duplicate (P5D0301-DUP1)	Sou	rce: 5C31005	-01	Prepared &	Analyzed:	: 03/31/15				
Chloride	402	1.09	mg/kg dry		398			0.973	20	
Matrix Spike (P5D0301-MS1)	Sou	rce: 5C31005	-01	Prepared &	Analyzed:	: 03/31/15				
Chloride	470	1.09	mg/kg dry	109	398	66.2	80-120			QR-(

Midland TX, 79703

Project: Three Rivers Eagle 2 State 6H (Well #6)

2057 Commerce Street Project Number: 234320

Project Number: 234320 Project Manager: Curt Stanley Fax: (432) 520-7701

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting	** *	Spike	Source	0/775	%REC	222	RPD	27.
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P5D0107 - TX 1005										
Blank (P5D0107-BLK1)				Prepared &	Analyzed:	03/31/15				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	90.9		"	100		90.9	70-130			
Surrogate: o-Terphenyl	53.4		"	50.0		107	70-130			
LCS (P5D0107-BS1)				Prepared &	Analyzed:	03/31/15				
C6-C12	843	25.0	mg/kg wet	1000		84.3	75-125			
>C12-C28	871	25.0	"	1000		87.1	75-125			
Surrogate: 1-Chlorooctane	109		"	100		109	70-130			
Surrogate: o-Terphenyl	50.1		"	50.0		100	70-130			
LCS Dup (P5D0107-BSD1)				Prepared &	Analyzed:	03/31/15				
C6-C12	847	25.0	mg/kg wet	1000		84.7	75-125	0.488	20	
>C12-C28	849	25.0	"	1000		84.9	75-125	2.58	20	
Surrogate: 1-Chlorooctane	108		"	100		108	70-130			
Surrogate: o-Terphenyl	48.7		"	50.0		97.5	70-130			
Matrix Spike (P5D0107-MS1)	Sou	rce: 5C31007	7-02	Prepared: (03/31/15 A	nalyzed: 04	/01/15			
C6-C12	955	30.5	mg/kg dry	1220		78.3	75-125			
>C12-C28	1080	30.5	"	1220		88.8	75-125			
Surrogate: 1-Chlorooctane	127		"	122		104	70-130			
Surrogate: o-Terphenyl	63.6		"	61.0		104	70-130			
Matrix Spike Dup (P5D0107-MSD1)	Sour	rce: 5C31007	7-02	Prepared: ()3/31/15 A	nalyzed: 04	/01/15			
C6-C12	1030	30.5	mg/kg dry	1220		84.3	75-125	7.35	20	
>C12-C28	1150	30.5	"	1220		94.6	75-125	6.29	20	
Surrogate: 1-Chlorooctane	151		"	122		123	70-130			
Surrogate: o-Terphenyl	68.1		"	61.0		112	70-130			
• •										

TRC Solutions- Midland, Texas Project: Three Rivers Eagle 2 State 6H (Well #6) Fax: (432) 520-7701

2057 Commerce StreetProject Number: 234320Midland TX, 79703Project Manager: Curt Stanley

Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate. QR-01 Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results. DET Analyte DETECTED Analyte NOT DETECTED at or above the reporting limit ND Not Reported NR Sample results reported on a dry weight basis dry Relative Percent Difference RPD LCS Laboratory Control Spike MS Matrix Spike Dup Duplicate

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Report Approved By:

Date:



CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST Permian Basin Environmental Lab, LP 10014 S. County Road 1213

Phone: 432-661-4184

·	0 7				Sp							77*57			797	ļç) <u>a</u>						٠.	
Neiinquisited by.	Relinquished by:	<u>\</u>	Reinquist		Special Instructions:								12	_	LAB # (lab use only)	ロスロルス #:	(lab use of ly)							
ğ	neg neg)	Inst) (S.E.	2 - 7 - 3		POSA) (S. J. J. J. S. W.				ース #		ř	ပ္လ	Ħ.	Ω	ဂ္ဂ	ို့	<u> </u>
Ş	₹ / ₹		∦		ruct								1	۱.					Sampler Signature:	Telephone No:	City/State/Zip:	Company Address:	Company Name	Project Manager:
		13	∦		ions												\mathcal{N}_{\parallel}		er	hon	itate	any	any	₹ .
		1	1-	7	"\					l .						(7		Sig	ē	iZ/e	À	<u>z</u>	an
	<	$\mathcal{H}_{\mathcal{L}}$		\mathcal{N}											_	(W	î Î	nati.	ō	0,	idre	me	agei
]	5												FIELD CODE		5731006		ře:					7
			h				,		}	1			S-2	S-1	(D O		Ž.	1 1	_	432	Ĭ	205	S	ξ.
															ODE	7	\sim	(_	432-520-7	land	70	\X	t St
)]												\) , ·	}	£	77.	Midland, Texas 79703	2057 Commerce	Safe	Curt Stanley
		w	٦,					ļ		•								1,1	1	720	Xas	Jerok Jerok	ly an	
Ç Q	Date			7						ľ	ĺ]/\[1	7970	"	<u> </u>	1 .
q	0	_	7	K															K		β		Niro	1
	 	5	\parallel	~7	١. ا	_		┢	 	\vdash	├─		_	 		7		V	10				nme	
	=	3	_			-1									Beginning Depth	1		F	7 1				ntal	
- -	lime	203	T A						-				3	Ŵ	Ending Depth	7	(7				Ä	
7								-	 					-		-	(ᄼ	1				NOVA Safety and Environmental / TRCSolutions	
Neceived by the EL.	Received by	Naccivad by	<u> </u>) ·		3/30/2015	3/30/2015		1							liti:	
<u> </u>	<u> </u>	1 3	<u> </u>									l	18	122	Date Sampled				1 . **]≌	
	₹ 	پ ا	{)15	15				1					1	
7,∫⊑	Ĭ		1													1				1	1			
\mathbb{N}													=======================================	=	Time Sampled	ŀ			Φ.	Ţij				
١٧.	1												1110	1100	Time campied	1.			e-mail:	Fax No:				
\						.			·										≌:	Į.	1			\
)			1							_			_	<u> </u>	Field Filtered				Ö				ŀ	Midland, Texas 79706
~	4				121					_			1	>	Total #. of Containers	\vdash	•		cdstanley@trcsolutions.com					and
		ļ								<u> </u>	_		×	×	Ice HNO ₃	Pic			anl	.				
															HCI	serv			ey(:				xas
1										 	_				H₂SO₄	Preservation &	-		ætr∘		1			797
		-													NaOH				CSC				*	8
	2										_				Na ₂ S ₂ O ₃	# of Containers			luti					
۸ı			1												None	lainer			ons	ŀ				
	Date	ا ا	3												Other (Specify)	ď			3.CC					
₹3615	ं हैं	1 8	ř										m	co	DW=Drinking Water SL=Studge	Z			Ħ	7 13			-	· . · .
a	6 6 7		-					-			'		Soil	Soil	GW = Groundwater S=Soil/Solid	Matrix		. •		(epo				ָּטַ
] =	-	1			\vdash					\vdash	-	×	×	NP=Non-Potable Specify Other TPH: 418.1 8015M 80)15B		П		Report Format:		Рю	70	roje
Ö	ime	. ā	T T					-			-	_	 	Ĥ	TPH: TX 1005 TX 1006			 		orma	70	ect	<u>o</u> e	£
203 Received — Constitution of the control of the c	<u>1</u> %	5 5 <u>8</u>	<u>ا</u> ماد	S	ا ا				 		 				Cations (Ca, Mg, Na, K)					Ħ	PO #:	Project Loc:	Project #: 4	Project Name:
i chi	Sample Hand Delivered by Sampler/Client Rep by Courier? UPS Temperature I had Beer	Custody seals on container(s) Custody seals on cooler(s)	VOCS Flee of rieduspace:	Sample Containers Intact?	Laboratory Comments:						-	\vdash	<u> </u>		Anions (Cl, SO4, Alkalinity)					口	1			١.
	nple Hand I by Sampler/ by Courier?	ly se	2 0	e Co	jtoj						 		Ė		SAR / ESP / CEC		TOTAL:			Standard			234320	hre
\ \		als o	2		00										Metals: As Ag Ba Cd Cr Pb Hg	Se		≥		ndaı		1	15	e R
() }	Clien	ou co	Ted u	ers.	mm										Volatiles			ıalyz		ď.			18	Ver
Į de	nple Hand Delivered by Sampler/Client Rep. ? by Courier? UPS	ontai oler	Spar	Inta	ents					Ĺ					Semivolatiles			Analyze For:			.]	Lei	1.	S E
ညီကို ကို	, ອີ [ຈີ	ner(9	S ES		,			<u> </u>		<u> </u>		×	×	BTEX 8021B/5030 or BTEX 82	260	X	ľĬ				လ	H	gle
3	· 岩	s					, f.				<u> </u>			<u> </u>	RCI					TRRP		unty		28
							_			<u> </u>				_	TCLP Benzene		-			70		Lea County, NM	F	tate
2	FedEx Lone Star	Rar	Ś¢	रभव	ηl					<u> </u>	_		×	<u> ×</u>	Chloride E 300	· · · · · · · · · · · · · · · · · · ·		$\{\ \}$		_			M	Three Rivers Eagle 2 State 6H (Well #6)
Ħ.	ا ک	J XX	か	ال	/	\vdash				-								$\ \ $	•	NPDES				3
	one z z	zz	2 Z	zz						<u> </u>		_			RUSH TAT (Pre-Schedule) 24,	, 48,	72 hrs	닉		∍DE				€ #
	žar									 	-		×	×	Standard TAT	T				S				<u>(</u> 8
		resemble 500	্র	25 Sales	9711	1			L				L	L	·						1	1	1	1

PERMIAN BASIN ENVIRONMENTAL LAB, LP 10014 SCR 1213 Midland, TX 79706



Analytical Report

Prepared for:

Geoff Leking
TRC Solutions- Midland, Texas
2057 Commerce Street
Midland, TX 79703

Project: Three Rivers Eagle 2 State 6H
Project Number: 234320

Location: Lea County, New Mexico

Lab Order Number: 5E19008



NELAP/TCEQ # T104704156-13-3

Report Date: 05/28/15

Project: Three Rivers Eagle 2 State 6H

2057 Commerce Street Midland TX, 79703 Project Number: 234320 Project Manager: Geoff Leking

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-1a @ 6"	5E19008-01	Soil	05/18/15 11:45	05-19-2015 10:36
S-2a @ 1'	5E19008-02	Soil	05/18/15 12:00	05-19-2015 10:36

Project: Three Rivers Eagle 2 State 6H

2057 Commerce Street Midland TX, 79703 Project Number: 234320 Project Manager: Geoff Leking Fax: (432) 520-7701

S-1a @ 6" 5E19008-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	nvironmer	ıtal Lab, l	L .P.				
Organics by GC									
Benzene	ND	0.00114	mg/kg dry	1	P5E2802	05/22/15	05/23/15	EPA 8021B	
Toluene	ND	0.00227	mg/kg dry	1	P5E2802	05/22/15	05/23/15	EPA 8021B	
Ethylbenzene	ND	0.00114	mg/kg dry	1	P5E2802	05/22/15	05/23/15	EPA 8021B	
Xylene (p/m)	ND	0.00227	mg/kg dry	1	P5E2802	05/22/15	05/23/15	EPA 8021B	
Xylene (o)	ND	0.00114	mg/kg dry	1	P5E2802	05/22/15	05/23/15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		107 %	75-1	25	P5E2802	05/22/15	05/23/15	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		125 %	75-1	25	P5E2802	05/22/15	05/23/15	EPA 8021B	
General Chemistry Parameters by EP	A / Standard Method	ds							
Chloride	280	1.14	mg/kg dry	1	P5E2107	05/19/15	05/21/15	EPA 300.0	
% Moisture	12.0	0.1	%	1	P5E2001	05/20/15	05/20/15	% calculation	
Total Petroleum Hydrocarbons C6-C3	35 by EPA Method 80	015M							
C6-C12	ND	28.4	mg/kg dry	1	P5E2102	05/19/15	05/20/15	TPH 8015M	
>C12-C28	835	28.4	mg/kg dry	1	P5E2102	05/19/15	05/20/15	TPH 8015M	
>C28-C35	147	28.4	mg/kg dry	1	P5E2102	05/19/15	05/20/15	TPH 8015M	
Surrogate: 1-Chlorooctane		55.8 %	70-1	30	P5E2102	05/19/15	05/20/15	TPH 8015M	S-GC
Surrogate: o-Terphenyl		71.5 %	70-1	30	P5E2102	05/19/15	05/20/15	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	982	28.4	mg/kg dry	1	[CALC]	05/19/15	05/20/15	calc	

Project: Three Rivers Eagle 2 State 6H

2057 Commerce Street Midland TX, 79703 Project Number: 234320 Project Manager: Geoff Leking

> S-2a @ 1' 5E19008-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	Pern	nian Basin E	Environme	ıtal Lab, l	L .P.				
Organics by GC									
Benzene	ND	0.00106	mg/kg dry	1	P5E2704	05/26/15	05/26/15	EPA 8021B	
Toluene	ND	0.00213	mg/kg dry	1	P5E2704	05/26/15	05/26/15	EPA 8021B	
Ethylbenzene	ND	0.00106	mg/kg dry	1	P5E2704	05/26/15	05/26/15	EPA 8021B	
Xylene (p/m)	ND	0.00213	mg/kg dry	1	P5E2704	05/26/15	05/26/15	EPA 8021B	
Xylene (o)	ND	0.00106	mg/kg dry	1	P5E2704	05/26/15	05/26/15	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		138 %	75-1	25	P5E2704	05/26/15	05/26/15	EPA 8021B	S-GC
Surrogate: 1,4-Difluorobenzene		88.1 %	75-1	25	P5E2704	05/26/15	05/26/15	EPA 8021B	
General Chemistry Parameters by EPA	Standard Method	ds							
Chloride	ND	1.06	mg/kg dry	1	P5E2107	05/19/15	05/21/15	EPA 300.0	
% Moisture	6.0	0.1	%	1	P5E2001	05/20/15	05/20/15	% calculation	
Total Petroleum Hydrocarbons C6-C35 l	by EPA Method 8	015M							
C6-C12	ND	26.6	mg/kg dry	1	P5E2102	05/19/15	05/20/15	TPH 8015M	
>C12-C28	ND	26.6	mg/kg dry	1	P5E2102	05/19/15	05/20/15	TPH 8015M	
>C28-C35	ND	26.6	mg/kg dry	1	P5E2102	05/19/15	05/20/15	TPH 8015M	
Surrogate: 1-Chlorooctane		116 %	70-1	30	P5E2102	05/19/15	05/20/15	TPH 8015M	
Surrogate: o-Terphenyl		138 %	70-1	30	P5E2102	05/19/15	05/20/15	TPH 8015M	S-GC
Total Petroleum Hydrocarbon C6-C35	ND	26.6	mg/kg dry	1	[CALC]	05/19/15	05/20/15	calc	

Project: Three Rivers Eagle 2 State 6H

2057 Commerce Street Midland TX, 79703 Project Number: 234320 Project Manager: Geoff Leking Fax: (432) 520-7701

Organics by GC - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5E2704 - TX 1005										
Blank (P5E2704-BLK1)				Prepared &	Analyzed:	05/26/15				
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00200	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 4-Bromofluorobenzene	0.0656		"	0.0500		131	75-125			S-G
Surrogate: 1,4-Difluorobenzene	0.0472		"	0.0500		94.5	75-125			
LCS (P5E2704-BS1)				Prepared &	: Analyzed:	05/26/15				
Benzene	0.0812	0.00100	mg/kg wet	0.100		81.2	70-130			
Toluene	0.0922	0.00200	"	0.100		92.2	70-130			
Ethylbenzene	0.107	0.00100	"	0.100		107	70-130			
Xylene (p/m)	0.212	0.00200	"	0.200		106	70-130			
Xylene (o)	0.107	0.00100	"	0.100		107	70-130			
Surrogate: 4-Bromofluorobenzene	0.0636		"	0.0500		127	75-125			S-G
Surrogate: 1,4-Difluorobenzene	0.0538		"	0.0500		108	75-125			
LCS Dup (P5E2704-BSD1)				Prepared &	: Analyzed:	05/26/15				
Benzene	0.0850	0.00100	mg/kg wet	0.100		85.0	70-130	4.50	20	
Toluene	0.0971	0.00200	"	0.100		97.1	70-130	5.19	20	
Ethylbenzene	0.114	0.00100	"	0.100		114	70-130	6.44	20	
Xylene (p/m)	0.223	0.00200	"	0.200		111	70-130	4.65	20	
Xylene (o)	0.112	0.00100	"	0.100		112	70-130	4.60	20	
Surrogate: 4-Bromofluorobenzene	0.0643		"	0.0500		129	75-125			S-G
Surrogate: 1,4-Difluorobenzene	0.0542		"	0.0500		108	75-125			
Batch P5E2802 - TX 1005										
Blank (P5E2802-BLK1)				Prepared &	: Analyzed:	05/22/15				
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00200	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.0524		"	0.0500		105	75-125			
Surrogate: 4-Bromofluorobenzene	0.0621		"	0.0500		124	75-125			

Project: Three Rivers Eagle 2 State 6H

2057 Commerce Street Midland TX, 79703 Project Number: 234320 Project Manager: Geoff Leking Fax: (432) 520-7701

Organics by GC - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5E2802 - TX 1005										
LCS (P5E2802-BS1)				Prepared &	Analyzed:	05/22/15				
Benzene	0.0947	0.00100	mg/kg wet	0.100		94.7	70-130			
Toluene	0.108	0.00200	"	0.100		108	70-130			
Ethylbenzene	0.109	0.00100	"	0.100		109	70-130			
Xylene (p/m)	0.213	0.00200	"	0.200		106	70-130			
Xylene (o)	0.104	0.00100	"	0.100		104	70-130			
Surrogate: 1,4-Difluorobenzene	0.0663		"	0.0500		133	75-125			S-GC
Surrogate: 4-Bromofluorobenzene	0.0580		"	0.0500		116	75-125			
LCS Dup (P5E2802-BSD1)				Prepared &	Analyzed:	05/22/15				
Benzene	0.0911	0.00100	mg/kg wet	0.100		91.1	70-130	3.89	20	
Toluene	0.103	0.00200	"	0.100		103	70-130	4.68	20	
Ethylbenzene	0.109	0.00100	"	0.100		109	70-130	0.302	20	
Xylene (p/m)	0.213	0.00200	"	0.200		107	70-130	0.413	20	
Xylene (o)	0.104	0.00100	"	0.100		104	70-130	0.615	20	
Surrogate: 4-Bromofluorobenzene	0.0600		"	0.0500		120	75-125			
Surrogate: 1,4-Difluorobenzene	0.0616		"	0.0500		123	75-125			

TRC Solutions- Midland, Texas Project: Three Rivers Eagle 2 State 6H

2057 Commerce StreetProject Number: 234320Midland TX, 79703Project Manager: Geoff Leking

Fax: (432) 520-7701

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P5E2001 - *** DEFAULT PREP ***										
Blank (P5E2001-BLK1)				Prepared &	Analyzed	: 05/20/15				
% Moisture	ND	0.1	%							
Duplicate (P5E2001-DUP1)	Sour	ce: 5E19006	-03	Prepared &	Analyzed	: 05/20/15				
% Moisture	4.0	0.1	%		4.0			0.00	20	
Duplicate (P5E2001-DUP2)	Sour	ce: 5E19013	-01	Prepared &	Analyzed	: 05/20/15				
% Moisture	29.0	0.1	%		30.0			3.39	20	
Batch P5E2107 - *** DEFAULT PREP ***										
Blank (P5E2107-BLK1)				Prepared: (05/19/15 A	nalyzed: 05	5/21/15			
Chloride	ND	1.00	mg/kg wet							
LCS (P5E2107-BS1)				Prepared: (05/19/15 A	analyzed: 05	5/21/15			
Chloride	105	1.00	mg/kg wet	100		105	80-120			
LCS Dup (P5E2107-BSD1)				Prepared: (05/19/15 A	nalyzed: 05	5/21/15			
Chloride	101	1.00	mg/kg wet	100		101	80-120	3.09	20	
Duplicate (P5E2107-DUP1)	Sour	rce: 5E05003-	-09	Prepared: (05/19/15 A	analyzed: 05	5/21/15			
Chloride	187	1.06	mg/kg dry		188			0.550	20	
Matrix Spike (P5E2107-MS1)	Sour	rce: 5E05003-	-09	Prepared: (05/19/15 A	analyzed: 05	5/21/15			
Chloride	286	1.06	mg/kg dry	106	188	91.8	80-120			

Project: Three Rivers Eagle 2 State 6H

2057 Commerce Street

Project Number: 234320

Fax: (432) 520-7701

Midland TX, 79703 Project Manager: Geoff Leking

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P5E2102 - TX 1005										
Blank (P5E2102-BLK1)				Prepared &	Analyzed:	05/19/15				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	64.9		"	100		64.9	70-130			S-GC
Surrogate: o-Terphenyl	39.4		"	50.0		78.9	70-130			
LCS (P5E2102-BS1)				Prepared &	Analyzed:	05/19/15				
C6-C12	941	25.0	mg/kg wet	1000		94.1	75-125			
>C12-C28	1140	25.0	"	1000		114	75-125			
Surrogate: 1-Chlorooctane	90.4		"	100		90.4	70-130			
Surrogate: o-Terphenyl	46.8		"	50.0		93.6	70-130			
LCS Dup (P5E2102-BSD1)				Prepared &	Analyzed	05/19/15				
C6-C12	899	25.0	mg/kg wet	1000		89.9	75-125	4.62	20	
>C12-C28	1120	25.0	"	1000		112	75-125	1.48	20	
Surrogate: 1-Chlorooctane	88.3		"	100		88.3	70-130			
Surrogate: o-Terphenyl	41.4		"	50.0		82.8	70-130			
Duplicate (P5E2102-DUP1)	Sou	rce: 5E19009	0-02	Prepared: (05/19/15 A	nalyzed: 05	5/20/15			
C6-C12	100	28.4	mg/kg dry		90.5			10.1	20	
>C12-C28	2360	28.4	"		2130			10.5	20	
Surrogate: 1-Chlorooctane	74.5		"	114		65.5	70-130			S-GC
Surrogate: o-Terphenyl	46.5		"	56.8		81.9	70-130			

Project: Three Rivers Eagle 2 State 6H

2057 Commerce Street Midland TX, 79703 Project Number: 234320 Project Manager: Geoff Leking Fax: (432) 520-7701

Notes and Definitions

S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate
	Approved By: Detail 5/20/2015
Report A	Approved By: Date: 5/28/2015
- F	11 3

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Brent Barron, Laboratory Director/Technical Director



त्रा	,	THE STATE OF THE S		G	10e 2.1	14 A A A A	17.50			New 2	3.045	Nata	A	\forall		lo	اچ				•				e de la company
Relinquished by:	Relindu	L		Special Instructions:									Θ	7	LAB # (lab use only)	ORDER#:	(lab use only)								
uishe	adsin		5	al In									7			B	ĕ	(0		<u> </u>	0	<u> </u>	_		Z
ed by	S. S.		1	ıstru												# /	∖इं∣	Sampler Signature: The House Long John	Telephone No:	City/State/Zip:	Company Address: 2057 Commerce Dr.	Company Name	Project Manager:		
7	77	2]	1	ctio]										N	\setminus	ηple	phc	/Sta	ıpar	ıpar	ect		7.7
	0		. S	ns:												Ŏ	7\	Si	me	te/Z	Jy A	7 V	Mar		7
		4															<u> </u>	gna	o.	j.	ddr	lam	nage		3
		3	: •										ကြ	ဟု		6	2	ture			SSe	O .	ΠĐ		
		1											S-2a @ 1'	S-1a @ 6"	FIELD CODE	5	7	Ks.		≤	20	 =	စြ		
		121									. !		@	(Q) (G)	COD	IC)	E.	(432)5207720	Midtand/TX/79703	157 (TRC Solutions, Inc.	Geoff Leking		
	:	2			-								-		m i i i i i i i i i i i i i i i i i i i	10	\mathbb{Q}	Ext.	207	Œ.	om	<u>Š</u>	Leki		
		5																E	720	(79	mer	ions	- E		
	-	<u> </u>			4, . 				.	'		İ					1	4		703	B /	Inc.			
Date	Date	Date														Province:		5				1			
		7		٠			L					_				-		2,							
		10					-			-		-	{		Beginning Depth			3							
Time	Time	Time }}56			<u> </u>	_	-	-		_	_	-	<u> </u>			-	(7							
Ф	rD	2 °													Ending Depth			1/2							
Rece	Re	₽												Çī		1									
	œive	Ceive											-	/18/	Date Sampled		٠.								
y ä	Received by:	Received by:					1					-		5/18/2015											
ed by PBEL	1				_		<u>L</u>	_				_	<u> </u>	51								1			
$\mu_{\mathbb{R}}$					1																				
						1		}			1		1200	1145	Time Sampled			φ	βj						
\angle								-					Ō	Si				e-mail:	Fax No:		1				
4	r				\vdash	├-	-	\vdash	-	<u> </u>		-	+-	-	Field Filtered	-		. =	Ĭ					3 1	,
					-	-	-	 	-		-	-		_	Total #. of Containers	-		to						10014 S. County Road 1213 Midland, Texas 79706	
					-	-	+-	1	 			1	-	×	lce	\Box	• •	原						nd,	
						\vdash	†-		1				1		HNO ₃	Pres		grij						Cou	
1	[*] .	.				1	T		1			\vdash		1	HCI	ierva:		<u>@</u>				1		as .	1
						1						Г	1	1	H₂SO₄	vation &		SOL						Road 79706	,
												Π	1		NaOH	# of		<u>Š</u>				1		3d 1	1
								L							Na ₂ S ₂ O ₃	# of Containers		gleking@trcsolutions.com						213	\$
5]												None	ainers		ns.						- - -	1
/}: //:	Date /	Date													Other (Specify)	Щ		ြဋ				1		_	-
	6	्री है										_			DW=Drinking Water SL=Sludge	≾		ı	70						
<u> </u>	1. 1.	-												S	GW = Groundwater S=Soii/Solid NP=Non-Potable Specify Other	Matrix			epo				굔		
Time 15 10 ≥6	=				-	+	+-	}	\vdash	\vdash	-	-	1	×		015B	ŢΤ	7	Ŧ		Proj.	v	ojec		
) % (illie	Time			 	-	1	1	\vdash	-	-	\vdash	T	Ĥ	TPH: TX 1005 TX 1006				Report Format:	 T	Project Loc:	Project#:	Project Name:		
		999	8	လ္က မွာ		1						T		1	Cations (Ca, Mg, Na, K)				ñ	PO #:	Loc:	Ct #:	me:		
Temperature Upon Receipt: Received: 3 5 °C F Adjusted: 3 'S °C F	Sample Hand Delivered by Sampler/Client Rep.? by Courier? UPS	Labels on container(s) Custody seals on container(s) Custody seals on cooler(s)	VOCs Free of Headspace?	Laboratory Comments: Sample Containers Infact?			1					T		1	Anions (Cl, SO4, Alkalinity)		<u> </u>		\boxtimes		1	12			
ed:	nple Hand L by Sampler/ by Courier?	y se	Free			Τ	T		1		1	Ī	Τ		SAR / ESP / CEC		TCLP:					ယ		_	
W =	jer/ per/	sals (of	ම් දි ද			Ι								Metals: As Ag Ba Cd Cr Pb Hg		77.	}	Standard			4	Thr		2
$ \hat{\mathcal{N}} $	Clien		lead	Tegs m						14					Volatiles		\prod	Analyze For:	<u>a</u> .		ĘĘ	ယ	Three Rivers Eagle 2 State 6H		Dhone: 432-661-4184
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	it Rep	onta	Ispa	ents Inta								L			Semivolatiles		Ш	e T			Lea County, New Mexico	10	 	ć	3
Receipt: °C °C Factor		iner(8	3 °					L	L			<	×	BTEX 6021B 5030 or BTEX 82	260		Ĭ			unty	0] S		3
acto	맫	(S)									<u> </u>	L			RCI	<u> </u>			TRRP		, Ne		ag		
								1		L		_	_		N.O.R.M.				Ö		N W		e 2		2
2	Å Ø 120€		S)	<i></i>	_	1	1_	-		1	<u> </u>	1	<u> </u>	\times	Chlorides E 300			. {			exic		Sta) i.	
ر ا ا	The same of the same	`` `	17	@ ∵	<u></u>	1	_	-	-	_	_	-	+	-							Ö		te 6))	
11	N Lone Star	ZZZ	, ,	7	7		+	-	+	<u> </u>	_	_	1	+-	RUSH TAT (Pre-Schedule) 24	. 40 -	2 hrs	-	NPDES				=		
	Star			Z	<u> </u>	╁	1-:-	-	1	-	-	1	-	1		, 48, 7	z nrs		S		1				
Par Sh			7 2			1	1	1.	ŀ	1		1	1	1×.	Standard TAT	1 :				1	1	P	ane	10 of	10

PERMIAN BASIN ENVIRONMENTAL LAB, LP 10014 SCR 1213 Midland, TX 79706



Analytical Report

Prepared for:

Geoff Leking
TRC Solutions- Midland, Texas
2057 Commerce Street
Midland, TX 79703

Project: Three Rivers Eagle 2 State 6H
Project Number: 234320

Location: Lea County, New Mexico

Lab Order Number: 5F15005



NELAP/TCEQ # T104704156-13-3

Report Date: 06/22/15

Project: Three Rivers Eagle 2 State 6H

2057 Commerce Street Midland TX, 79703 Project Number: 234320 Project Manager: Geoff Leking

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S1b @ 9"	5F15005-01	Soil	06/12/15 09:10	06-15-2015 11:55
S1c @ 12"	5F15005-02	Soil	06/12/15 09:30	06-15-2015 11:55

TRC Solutions- Midland, Texas Project: Three Rivers Eagle 2 State 6H Fax: (432) 520-7701

2057 Commerce StreetProject Number: 234320Midland TX, 79703Project Manager: Geoff Leking

S1b @ 9" 5F15005-01 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	23.3	1.03 mg/kg dry	1	P5F1804	06/17/15	06/18/15	EPA 300.0
% Moisture	3.0	0.1 %	1	P5F1607	06/16/15	06/16/15	% calculation

TRC Solutions- Midland, Texas Project: Three Rivers Eagle 2 State 6H Fax: (432) 520-7701

2057 Commerce StreetProject Number: 234320Midland TX, 79703Project Manager: Geoff Leking

S1c @ 12" 5F15005-02 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	6.99	1.05 mg/kg dry	1	P5F1804	06/17/15	06/18/15	EPA 300.0
% Moisture	5.0	0.1 %	1	P5F1607	06/16/15	06/16/15	% calculation

Project: Three Rivers Eagle 2 State 6H

2057 Commerce Street Midland TX, 79703 Project Number: 234320

Project Manager: Geoff Leking

Fax: (432) 520-7701

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source	2	%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P5F1607 - *** DEFAULT PREP ***										
Blank (P5F1607-BLK1)				Prepared &	. Analyz	ed: 06/16/15				
% Moisture	ND	0.1	%							
Duplicate (P5F1607-DUP1)	Sour	rce: 5F11016-	-02	Prepared &	Analyz	ed: 06/16/15				
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P5F1607-DUP2)	Sour	rce: 5F12001-	-01	Prepared &	z Analyz	ed: 06/16/15				
% Moisture	2.0	0.1	%		1.0			66.7	20	
Duplicate (P5F1607-DUP3)	Sour	rce: 5F15005-	-01	Prepared &	z Analyz	ed: 06/16/15				
% Moisture	3.0	0.1	%		3.0			0.00	20	
Batch P5F1804 - *** DEFAULT PREP ***										
Blank (P5F1804-BLK1)				Prepared: (06/17/15	Analyzed: 06	5/18/15			
Chloride	ND	1.00	mg/kg wet							
LCS (P5F1804-BS1)				Prepared: (06/17/15	Analyzed: 06	5/18/15			
Chloride	104	1.00	mg/kg wet	100		104	80-120			
Duplicate (P5F1804-DUP1)	Sour	rce: 5F16002-	-01	Prepared: (06/17/15	Analyzed: 06	5/18/15			
Chloride	3920	27.8	mg/kg dry	•	3940			0.601	20	
Duplicate (P5F1804-DUP2)	Sour	rce: 5F10011-	-11	Prepared: (06/17/15	Analyzed: 06	5/18/15			
Chloride	4160	28.4	mg/kg dry	*	4190	*		0.776	20	
Matrix Spike (P5F1804-MS1)	Soui	rce: 5F16002-	-01	Prepared: (06/17/15	Analyzed: 06	5/18/15			
Chloride	5580	27.8	mg/kg dry	1670	3940	98.3	80-120			

Project: Three Rivers Eagle 2 State 6H

2057 Commerce Street Midland TX, 79703 Project Number: 234320 Project Manager: Geoff Leking

Notes and Definitions

DET	Analysta DETECTED
DEI	Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

	Bun Barron		
Report Approved By:		Date:	6/22/2015

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.



Relinqu	Relinqu	C	Relinqu		Specia						, de					LAB#(lab use only)	CXUTX #)]]	(lab use only)									
Relinquished by:	Relinquished by:	(WOKAT - CONCANDE	Relinquished by:		Special Instructions:									S1c @ 24"	S1b @ 9"	FIELD CODE		まりてこ	e only) イナンドン	Control of the Contro	ture:	Telephone No: (432)5207720	City/State/Zip: Midland/TX/79703	Company Address: 2057 Con	Company Name TRC Solu		Project Manager: Geoff Leking	
Date	ជ	4114119	Date															U		9	Mis Sellow	7720	TX/79703	2057 Commerce Dr.	TRC Solutions, Inc.	C	king	
	=	1 =	=													Beginning Depth					3							
Time		6671	n lime													Ending Depth												
Received by PBEA	Received by:	Donoisod by:	Received by:											4	6/12/2015	Date Sampled												
														930	910	Time Sampled					e-mail:	Fax No:						
																Field Filtered Total #. of Containers	-				·							Permian Basin Environmental Lab, LP 10014 S. County Road 1213 Midland Texas 79706
1								-	-					\equiv	×	Ice	+	7			<u> </u>			1		-	3	and tank
-							┢		H					Ť	Ħ	HNO ₃	Pres				gleking@trcso						5	Cou Cou
								1	1 :							HCI	Preservation & #				8							ney I
				·					1							H ₂ SO ₄	on &	•			CS							nVironn / Road 79706
																NaOH											č	in di 12
																Na ₂ S ₂ O ₃	or Containers				lutions.com							nental 1213
<u> </u>							'									None	mers				ร.							Lab
	٥		Date	1		<u> </u>	ļ	_			_			_	ļ	Other (Specify)	+	┨			Š	L		1.	1			Ę
/3														<u>k</u> -	S	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Matrix	Motric				Report Format:		7			Pro	
 (33		T mb	lime	1												TPH: 418.1 8015M 80	15B					Fon		Project Loc:	Pro		Project Name:	
Addition to the second					7000											TPH: TX 1005 TX 1006		1				nat:	P0 #	ᄄ	Project #:		Nam	
Lemperat Received Adjusted:	1 0	SILO	Cus	VOCs Free of Headspace?	Lab		L								<u> </u>	Cations (Ca, Mg, Na, K)		1	$\ \ $		· Johann		#	ı. K	l i	- 1		
Lemperati Rece iv ed: Adjusted:	oy Ca	o de	els o	šΕ	orat			<u> </u>	-			_	_	1_	_	Anions (Cl, SO4, Alkalinity)		TOTAL	TCLP:			× v			2	.	井	
		Sea	n co sea	.ee C	3	<u> </u>	_	 			<u> </u>	<u> </u>	1	ļ ·	 	SAR / ESP / CEC	. 6-	╀	ļ. [.] ?			Standard	1		ω,		ее F	<u> </u>
Ē	by Sampler/Client Rej by Courier? UPS	S or	is on	f He	Laboratory Comments:	<u> </u>	-	1				<u> </u>	-	\vdash	₽	Metals: As Ag Ba Cd Cr Pb Hg	, SE	+	\dashv	Ana		tard			4		≀ive	JOH
, , , , , , , , , , , , , , , , , , ,		8	ner(s	ads	mer	\vdash	\vdash	-	+-	┼	_	<u> </u>	\vdash	-	├-	Volatiles Semivolatiles		+	\dashv	Analyze For:				Ęģ.	3 2		S	?: 1
ം പ്ര	by Couner? UPS 1	er i	Labels on container(s) Custody seals on container(s)	VOCs Free of Headspace?	is:	_	-		1	+			-	\vdash	-	BTEX 8021B/5030 or BTEX 82	260	+	\dashv	For:				င္ပ	0	-) per	32-0
°C Factor	 □	3)	er(s)	٠٥ .	o.	 		+	+			_	-	\vdash	 	RCI		1	닉			ᅻ		unty			ratir	<u>2</u>
耸	물					<u> </u>	-	-	-	-			\vdash	\vdash	\vdash	N.O.R.M.			_			TRRP		, Ne		ŀ	Three Rivers Operating Co.	Pnone: 432-661-4184
	Fe					 -		+	1	1			+	_	×	Chlorides E 300			一					Lea County, New Mexico			o E	•
	FedEx	<-<	≺ ~	(≺ -	<	Г			1	1			T		T	34.	_							exic	.]	ļ	Eagle	
	ē														T		_					NP					e 2	
	N Lone Star	z,z	ZZ	2 Z	Z											RUSH TAT (Pre-Schedule) 24	1, 48	, 72	hrs			NPDES					Sta	
	er.			5 32.0										*	×	Standard TAT											2 State 6	ge 7 c

PERMIAN BASIN ENVIRONMENTAL LAB, LP 10014 SCR 1213 Midland, TX 79706



Analytical Report

Prepared for:

Geoff Leking
TRC Solutions- Midland, Texas
2057 Commerce Street
Midland, TX 79703

Project: Three Rivers Eagle 2 State 6H
Project Number: 234320

Location: Lea County, New Mexico

Lab Order Number: 5F15005



NELAP/TCEQ # T104704156-13-3

Report Date: 06/22/15

Project: Three Rivers Eagle 2 State 6H

2057 Commerce Street Midland TX, 79703 Project Number: 234320 Project Manager: Geoff Leking

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S1b @ 9"	5F15005-01	Soil	06/12/15 09:10	06-15-2015 11:55
S1c @ 12"	5F15005-02	Soil	06/12/15 09:30	06-15-2015 11:55

TRC Solutions- Midland, Texas Project: Three Rivers Eagle 2 State 6H Fax: (432) 520-7701

2057 Commerce StreetProject Number: 234320Midland TX, 79703Project Manager: Geoff Leking

S1b @ 9" 5F15005-01 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	23.3	1.03 mg/kg dry	1	P5F1804	06/17/15	06/18/15	EPA 300.0
% Moisture	3.0	0.1 %	1	P5F1607	06/16/15	06/16/15	% calculation

TRC Solutions- Midland, Texas Project: Three Rivers Eagle 2 State 6H Fax: (432) 520-7701

2057 Commerce StreetProject Number: 234320Midland TX, 79703Project Manager: Geoff Leking

S1c @ 12" 5F15005-02 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Chloride	6.99	1.05 mg/kg dry	1	P5F1804	06/17/15	06/18/15	EPA 300.0
% Moisture	5.0	0.1 %	1	P5F1607	06/16/15	06/16/15	% calculation

Project: Three Rivers Eagle 2 State 6H

2057 Commerce Street Midland TX, 79703 Project Number: 234320

Project Manager: Geoff Leking

Fax: (432) 520-7701

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source	2	%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P5F1607 - *** DEFAULT PREP ***										
Blank (P5F1607-BLK1)				Prepared &	. Analyz	ed: 06/16/15				
% Moisture	ND	0.1	%							
Duplicate (P5F1607-DUP1)	Sour	rce: 5F11016-	-02	Prepared &	Analyz	ed: 06/16/15				
% Moisture	6.0	0.1	%		6.0			0.00	20	
Duplicate (P5F1607-DUP2)	Sour	rce: 5F12001-	-01	Prepared &	z Analyz	ed: 06/16/15				
% Moisture	2.0	0.1	%		1.0			66.7	20	
Duplicate (P5F1607-DUP3)	Sour	rce: 5F15005-	-01	Prepared &	z Analyz	ed: 06/16/15				
% Moisture	3.0	0.1	%		3.0			0.00	20	
Batch P5F1804 - *** DEFAULT PREP ***										
Blank (P5F1804-BLK1)				Prepared: (06/17/15	Analyzed: 06	5/18/15			
Chloride	ND	1.00	mg/kg wet							
LCS (P5F1804-BS1)				Prepared: (06/17/15	Analyzed: 06	5/18/15			
Chloride	104	1.00	mg/kg wet	100		104	80-120			
Duplicate (P5F1804-DUP1)	Sour	rce: 5F16002-	-01	Prepared: (06/17/15	Analyzed: 06	5/18/15			
Chloride	3920	27.8	mg/kg dry	•	3940			0.601	20	
Duplicate (P5F1804-DUP2)	Sour	rce: 5F10011-	-11	Prepared: (06/17/15	Analyzed: 06	5/18/15			
Chloride	4160	28.4	mg/kg dry	*	4190	*		0.776	20	
Matrix Spike (P5F1804-MS1)	Soui	rce: 5F16002-	-01	Prepared: (06/17/15	Analyzed: 06	5/18/15			
Chloride	5580	27.8	mg/kg dry	1670	3940	98.3	80-120			

Project: Three Rivers Eagle 2 State 6H

2057 Commerce Street Midland TX, 79703 Project Number: 234320 Project Manager: Geoff Leking

Notes and Definitions

DET	Analysta DETECTED
DEI	Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

	Bun Barron		
Report Approved By:		Date:	6/22/2015

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.



Relinqu	Relinqu	C	Relinqu		Specia						, de					LAB#(lab use only)	CXUTX #)]]	(lab use only)									
Relinquished by:	Relinquished by:	(WOKAT - CONCANDE	Relinquished by:		Special Instructions:									S1c @ 24"	S1b @ 9"	FIELD CODE		まりてこ	e only) イナンドン	Control of the Contro	ture:	Telephone No: (432)5207720	City/State/Zip: Midland/TX/79703	Company Address: 2057 Con	Company Name TRC Solu		Project Manager: Geoff Leking	
Date	ជ	4114119	Date															U		9	Mis Sellow	7720	TX/79703	2057 Commerce Dr.	TRC Solutions, Inc.	C	king	
	=	1 =	=													Beginning Depth					3							
Time		6671	n lime													Ending Depth												
Received by PBEA	Received by:	Donoisod by:	Received by:											4	6/12/2015	Date Sampled												
														930	910	Time Sampled					e-mail:	Fax No:						
																Field Filtered Total #. of Containers	-				·							Permian Basin Environmental Lab, LP 10014 S. County Road 1213 Midland Texas 79706
1								-	-						×	Ice	+	7			<u> </u>			1		-	3	and tank
-							┢		H					Ť	Ħ	HNO ₃	Pres				gleking@trcso						5	Cou Cou
								1	1 :							HCI	Preservation & #				8							ney I
				·					1							H ₂ SO ₄	on &	•			CS							nVironn / Road 79706
																NaOH											č	in di 12
																Na ₂ S ₂ O ₃	or Containers				lutions.com							nental 1213
<u> </u>							'									None	mers				ร.							Lab
	٥		Date	1		<u> </u>	ļ	_			_			_	ļ	Other (Specify)	+	┨			Š	L		1.	1			Ę
/3														<u>k</u> -	S	DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Matrix	Motric				Report Format:		7			Pro	
 (33		T mb	lime	1												TPH: 418.1 8015M 80	15B					Fon		Project Loc:	Pro		Project Name:	
Addition to the second					7000											TPH: TX 1005 TX 1006		1				nat:	P0 #	ᄄ	Project #:		Nam	
Lemperat Received Adjusted:	1 0	SILO	Cus	VOCs Free of Headspace?	Lab		L	<u> </u>							<u> </u>	Cations (Ca, Mg, Na, K)		1	$\ \ $		· Johann		#	ı. K	l i	- 1		
Lemperati Rece iv ed: Adjusted:	oy Ca	o de	els o	šΕ	orat			<u> </u>	-			_	_	1_	_	Anions (Cl, SO4, Alkalinity)		TOTAL	TCLP:			× v			2	.	井	
		Sea	n co sea	. 99.	3	<u> </u>	_	 			<u> </u>	<u> </u>	1	ļ ·	 	SAR / ESP / CEC	. 6-	╀	ļ. [.] ?			Standard			ω,		ее F	<u> </u>
Ē	by Sampler/Client Rej by Courier? UPS	S or	is on	f He	Laboratory Comments:	<u> </u>	-	1				<u> </u>	-	\vdash	₽	Metals: As Ag Ba Cd Cr Pb Hg	, SE	+	\dashv	Ana		tard			4		≀ive	JOH
, , , , , , , , , , , , , , , , , , ,		8	ner(s	ads	mer	\vdash	\vdash	-	+-	┼	_	<u> </u>	\vdash	-	├-	Volatiles Semivolatiles		+	\dashv	Analyze For:				Ęģ.	3 2		S	?: 1
ം പ്ര	by Couner? UPS 1	er i	Labels on container(s) Custody seals on container(s)	VOCs Free of Headspace?	is:	_	-		1	+			-	\vdash	-	BTEX 8021B/5030 or BTEX 82	260	+	\dashv	For:				င္ပ	0	-) per	32-0
°C Factor	 □	3)	er(s)	٠٥ .	o.	 		+	\vdash			_	-	\vdash	 	RCI		1	닉			ᅻ		unty			ratir	<u>2</u>
耸	물					\vdash	-	-	-	-			\vdash	\vdash	\vdash	N.O.R.M.			_			TRRP		, Ne		ŀ	Three Rivers Operating Co.	Pnone: 432-661-4184
	Fe					 -		+	1	1			+	_	×	Chlorides E 300			一					Lea County, New Mexico			o E	•
	FedEx	<-<	≺ ~	(≺ -	<	Г			1	1			T		T	34.	_							exic	.]	ļ	Eagle	
	ē														T		_					NP					e 2	
	N Lone Star	z,z	ZZ	2 Z	Z											RUSH TAT (Pre-Schedule) 24	1, 48	, 72	hrs			NPDES					Sta	
	er.			5 32.0										*	×	Standard TAT											2 State 6	ge 7 c

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

State of New Mexico Energy Minerals and Natural Resources

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 Anne Maness						
						Telephone No. 512-600-3195						
						Facility Type Well						
Surface Owner State of New Mexico Mineral Owner S						State of New Mexico			API No. 30-025-40330			
LOCATION OF RELEASE												
Unit Letter	Section	Township	Range	Feet from the	North/	orth/South Line Feet from the			ast/West Line County			
0	2	20S	34E	330	SOUT	Н	1950	EAST		LEA		
Latitude 32.5958N Longitude -103.5287W												
NATURE OF RELEASE Volume of Release Oil and Water Volume of Release 11 bbls oil Volume Personal 11 bbls oil Volume Perso												
Type of Release Oil and Water Source of Release									Volume Recovered 11 bbls Date and Hour of Discovery			
Offset Operator Frac						2/16/15 10am			2/16/15 same day in the morning			
Was Immediate Notice Given? ☐ Yes ☑ No ☑ Not Required						If YES, To Whom? N/A						
By Whom?						Date and Hour						
Was a Watercourse Reached? ☐ Yes ☑ No						If YES, Volume Impacting the Watercourse. N/A						
If a Watercou	rse was Imp	RI	RECEIVED									
						By OCD; Dr. Oberding at 1:10 pm, Mar 18, 2015						
Describe Cause of Problem and Remedial Action Taken.* An offset operator frac'd into our well & caused a small stuffing box leak which led to a release at the battery inside the containment with plastic liner. Location had 1 bbl of oil & 30 bbls of water at well and 10 bbls of oil & 220 bbls of water at the battery inside the containment. Vacuum truck was called in to pick up oil and water. Oil was placed back into the tanks & water was hauled off to a SWD facility. Affected dirt was hauled off.												
Describe Area Affected and Cleanup Action Taken.* The caliche pad around the wellhead and the plastic lined containment were the two areas affected. The pool of oil in the containment was picked up with a vacuum truck and put back into the tanks. Water was taken to s SWD facility. Field staff cleaned inside the tank battery and scraped up the dirt that was affected at the wellhead and hauled off.												
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.												
Signature: and but the Batism						OIL CONSERVATION DIVISION Hydrologist						
Printed Name: Anne Maness						Approved by Environmental Specialist.						
Title: Regulatory Analyst					F	Approval Dat	e:	E	xpiration I	Date:	111	
E-mail Address: amaness@3roc.com					Conditions of Approval: Attached							

///

Phone: 512-600-3195

3/17/15 * Attach Additional Sheets If Necessary

Date:

nTO1507751303

272295

1RP-3567