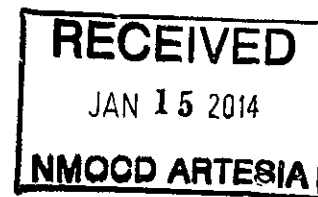


Mewbourne Oil Company
Quick Draw 15 B #1
7 Rivers Draw crossing
January 9, 2014



Remediation Report

Cause of release: Four lines crossed the Seven Rivers Draw over a bridge built specifically for these lines. 4 poly lines (2 SWD/ 2 Gas). Due to flooding rain water rushing through the draw, the bridge collapsed snapping all four lines. Power was lost during storm so SWD transfer pump was not active, therefore the 95 bbls of PW that was released was calculated by potential existing fluid already in line. Calculation: $[(15,840 / 1000) \times 6] = 95.04$ bbls, 15,840 = total footage of pipe. 6 = bbls per 1000 ft.

Remedial action: Alfredo Backhoe Services did all the contaminate remediation. On south side bank, all contaminated soil was removed to a depth of 1 to 1-1/2 feet by shovel depending on depth of contaminate and hauled to Lea Land disposal. Debris that gathered against vegetation was also picked up and hauled off. Several small areas in the bottom of the draw that had Oil stains on surface were dug out and hauled off by backhoe. North bank side of draw had also on small area that was impacted and it also was dug out and hauled off by backhoe. Ultimately all contaminate was removed. 4 Soil samples were taken at a depth of 2 feet from banksides (sample results and diagram attached). Only 1 sample (sample C) was taken from inside the river bed due to it being solid rock. 1 background sample was also taken.

Instead of building new bridge across draw, a ditch was made and lines were buried 8 feet deep and cemented in. We installed 2,000 feet of 3 inch poly and 2,000 feet of 4 inch poly to replace damaged lines.

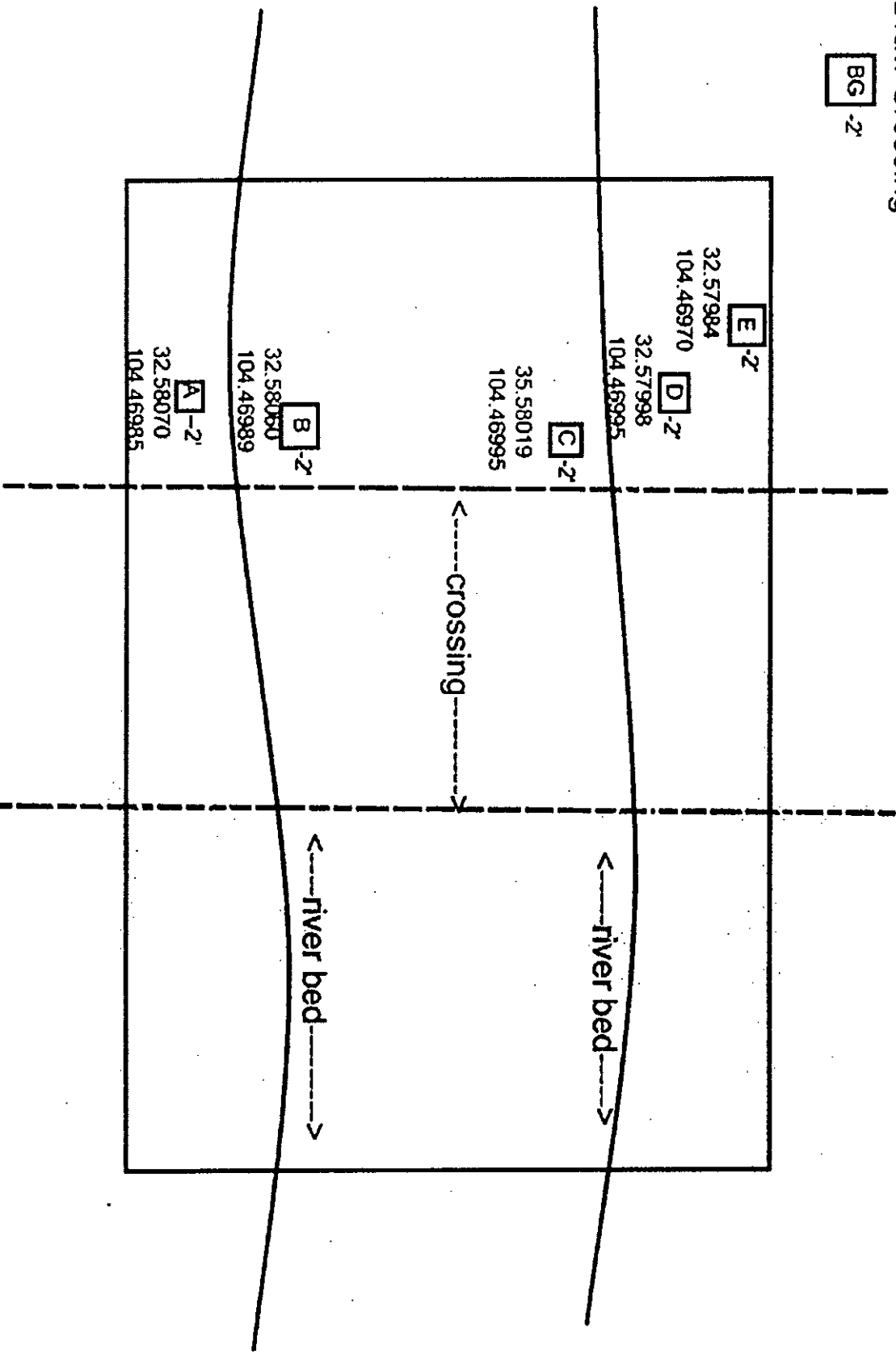
(Pictures attached).

Zack Thomas
Environmental Rep.
C. 575-602-2188
E. zthomas@mewbourne.com

Mewbourne Oil
Quick Draw 15 B #1
Draw Crossing

BG -2'

S
E + W
N





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

January 14, 2014

GARY SMITH

TNT Backhoe Service

P.O. Box 133

Artesia, NM 88211

RE: QUICK DRAW 15 B #1

Enclosed are the results of analyses for samples received by the laboratory on 01/08/14 15:30.

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

Cardinal Laboratories is accredited 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.

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,

A handwritten signature in cursive script that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

TNT Backhoe Service
GARY SMITH
P.O. Box 133
Artesia NM, 88211
Fax To: (505) 746-1885

Received:	01/08/2014	Sampling Date:	01/08/2014
Reported:	01/14/2014	Sampling Type:	Soil
Project Name:	QUICK DRAW 15 B #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: A @ 2' (H400058-01)

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	01/10/2014	ND	1.92	96.1	2.00	2.06	
Toluene*	<0.050	0.050	01/10/2014	ND	1.89	94.6	2.00	2.20	
Ethylbenzene*	<0.050	0.050	01/10/2014	ND	1.93	96.4	2.00	2.32	
Total Xylenes*	<0.150	0.150	01/10/2014	ND	5.63	93.8	6.00	2.42	
Total BTEx	<0.300	0.300	01/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	01/13/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/10/2014	ND	211	106	200	0.499	
DRG >C10-C28	<10.0	10.0	01/10/2014	ND	218	109	200	2.11	

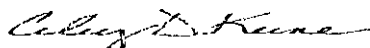
Surrogate: 1-Chlorooctane 99.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 103 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TNT Backhoe Service
GARY SMITH
P.O. Box 133
Artesia NM, 88211
Fax To: (505) 746-1885

Received:	01/08/2014	Sampling Date:	01/08/2014
Reported:	01/14/2014	Sampling Type:	Soil
Project Name:	QUICK DRAW 15 B #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: B @ 2' (H400058-02)

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	01/10/2014	ND	1.92	96.1	2.00	2.06	
Toluene*	<0.050	0.050	01/10/2014	ND	1.89	94.6	2.00	2.20	
Ethylbenzene*	<0.050	0.050	01/10/2014	ND	1.93	96.4	2.00	2.32	
Total Xylenes*	<0.150	0.150	01/10/2014	ND	5.63	93.8	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	01/13/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/10/2014	ND	211	106	200	0.499	
DRO >C10-C28	<10.0	10.0	01/10/2014	ND	218	109	200	2.11	

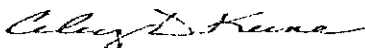
Surrogate: 1-Chlorooctane 102 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TNT Backhoe Service
 GARY SMITH
 P.O. Box 133
 Artesia NM, 88211
 Fax To: (505) 746-1885

Received:	01/08/2014	Sampling Date:	01/08/2014
Reported:	01/14/2014	Sampling Type:	Soil
Project Name:	QUICK DRAW 15 B #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: C @ 2' (H400058-03)

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	01/10/2014	ND	1.92	96.1	2.00	2.06	
Toluene*	<0.050	0.050	01/10/2014	ND	1.89	94.6	2.00	2.20	
Ethylbenzene*	<0.050	0.050	01/10/2014	ND	1.93	96.4	2.00	2.32	
Total Xylenes*	<0.150	0.150	01/10/2014	ND	5.63	93.8	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

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	01/13/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/10/2014	ND	211	106	200	0.499	
DRO >C10-C28	<10.0	10.0	01/10/2014	ND	218	109	200	2.11	

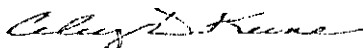
Surrogate: 1-Chlorooctane 91.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TNT Backhoe Service
GARY SMITH
P.O. Box 133
Artesia NM, 88211
Fax To: (505) 746-1885

Received:	01/08/2014	Sampling Date:	01/08/2014
Reported:	01/14/2014	Sampling Type:	Soil
Project Name:	QUICK DRAW 15 B #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: D @ 2' (H400058-04)

BTX 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	01/10/2014	ND	1.92	96.1	2.00	2.06	
Toluene*	<0.050	0.050	01/10/2014	ND	1.89	94.6	2.00	2.20	
Ethylbenzene*	<0.050	0.050	01/10/2014	ND	1.93	96.4	2.00	2.32	
Total Xylenes*	<0.150	0.150	01/10/2014	ND	5.63	93.8	6.00	2.42	
Total BTX	<0.300	0.300	01/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 104 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1580	16.0	01/13/2014	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/10/2014	ND	211	106	200	0.499		
DRO >C10-C28	<10.0	10.0	01/10/2014	ND	218	109	200	2.11		

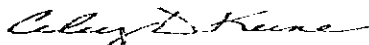
Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TNT Backhoe Service
GARY SMITH
P.O. Box 133
Artesia NM, 88211
Fax To: (505) 746-1885

Received:	01/08/2014	Sampling Date:	01/08/2014
Reported:	01/14/2014	Sampling Type:	Soil
Project Name:	QUICK DRAW 15 B #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: E @ 2' (H400058-05)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2014	ND	1.92	96.1	2.00	2.06	
Toluene*	<0.050	0.050	01/10/2014	ND	1.89	94.6	2.00	2.20	
Ethylbenzene*	<0.050	0.050	01/10/2014	ND	1.93	96.4	2.00	2.32	
Total Xylenes*	<0.150	0.150	01/10/2014	ND	5.63	93.8	6.00	2.42	
Total BTEx	<0.300	0.300	01/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	01/13/2014	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/10/2014	ND	211	106	200	0.499		
DRO >C10-C28	<10.0	10.0	01/10/2014	ND	218	109	200	2.11		

Surrogate: 1-Chlorooctane 97.9 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.1 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TNT Backhoe Service
GARY SMITH
P.O. Box 133
Artesia NM, 88211
Fax To: (505) 746-1885

Received:	01/08/2014	Sampling Date:	01/08/2014
Reported:	01/14/2014	Sampling Type:	Soil
Project Name:	QUICK DRAW 15 B #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: BACKGROUND GRAB 'BG' (H400058-06)

BTX 80218		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2014	ND	1.92	96.1	2.00	2.06	
Toluene*	<0.050	0.050	01/10/2014	ND	1.89	94.6	2.00	2.20	
Ethylbenzene*	<0.050	0.050	01/10/2014	ND	1.93	96.4	2.00	2.32	
Total Xylenes*	<0.150	0.150	01/10/2014	ND	5.63	93.8	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2014	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 89.4-126

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	01/13/2014	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	01/10/2014	ND	211	106	200	0.499		
DRO >C10-C28	<10.0	10.0	01/10/2014	ND	218	109	200	2.11		

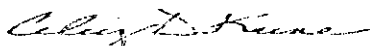
Surrogate: 1-Chlorooctane 89.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 98.2 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

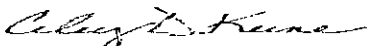
Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Page 9 of 9

ANALYSIS REQUEST

† Cardinal cannot accept verbal changes. Please fax written changes to 505-39312476

