

Mike Bratcher
New Mexico Oil Conservation Division
1301 W. Grand Avenue
Artesia, New Mexico 88210

Mewbourne Oil Company State JL 36 Battery Release Final Report

Dear Mr. Bratcher,

Mewbourne Oil Company would like to submit the following final report for risk based closure on the State JL #36 Battery remediation for your review.

On November 26, 2009 Mewbourne was the victim of vandalism/sabotage. A valve was removed from the flow line to the separator on location. The volume of the release was approximately 4 barrels. Mewbourne responded very promptly to the matter; visually impacted soil was excavated and taken to CRI. Mewbourne then horizontally and vertically delineated the site and excavated approximately 1500 yards of the impacted soil surrounding the release point. The excavated soil was disposed at Lea Land LLC, and clean backfill was hauled to location from the same. The results of the delineation show that benzene, TPH, and BTEX levels are not an issue at this site. A risk based closure was proposed by Mewbourne and approved. Location was backfilled with clean material from Lea Land LLC. Results of delineation are shown on the attached location map.

Respectfully,

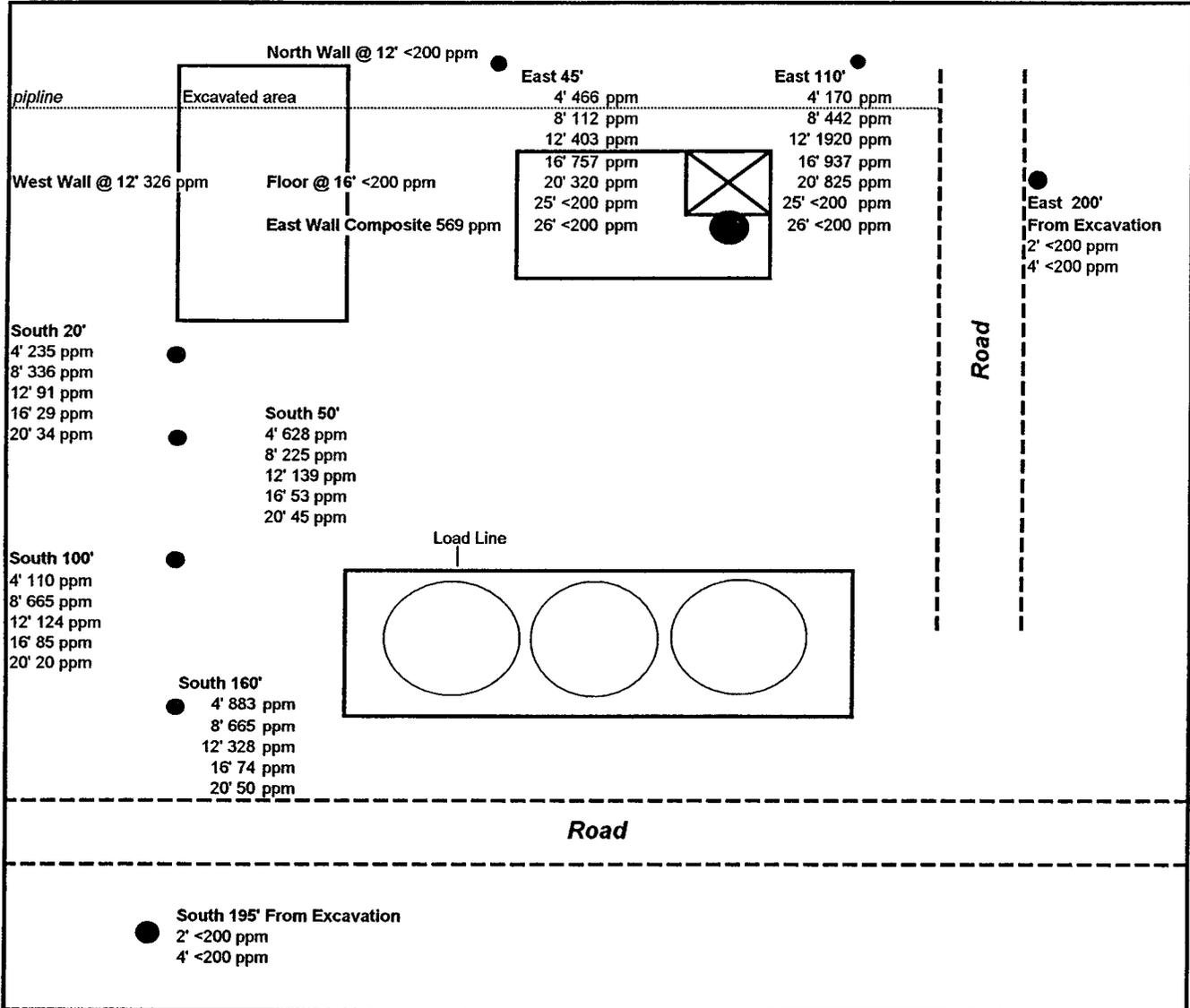
Manny Ortega

Mewbourne Oil Company
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Hobbs, NM 88240
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hobprod@mewbourne.com

Attachments: Battery Site Map
 Analytical Results

Attachment A
Battery Site Map

JL #36 Battery Site Map (chloride levels shown)



Attachment B

Analytical Results

TRACE ANALYSIS, INC.

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Certifications

WBENC: 237019

HUB: 1752439743100-86536

DBE: VN 20657

NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX

El Paso: T104704221-08-TX

Midland: T104704392-08-TX

LELAP-02003

LELAP-02002

Kansas E-10317

Analytical and Quality Control Report

Mike Stubblefield
Talon LPE-Artesia
408 West Texas St.
Artesia, NM, 88210

Report Date: August 3, 2010

Work Order: 10072804



Project Location: Sec. 36, 18S-29E
Project Name: State 5L 36 #1
Project Number: 700738.021.01

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
238830	001 Borehole #1 25' bgs E of Excavated Area 45'	soil	2010-07-21	16:30	2010-07-27
238831	002 Borehole #1 26' bgs E of Excavated Area 45'	soil	2010-07-21	17:15	2010-07-27
238832	003 Borehole #2 25' bgs E of Excavated Area 110'	soil	2010-07-21	18:00	2010-07-27
238833	004 Borehole #2 26' bgs E of Excavated Area 110'	soil	2010-07-21	18:45	2010-07-27
238834	005 Excavated Area East Side Wall	soil	2010-07-21	19:00	2010-07-27

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 5 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project State 5L 36 #1 were received by TraceAnalysis, Inc. on 2010-07-27 and assigned to work order 10072804. Samples for work order 10072804 were received intact at a temperature of 4.0 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (Titration)	SM 4500-Cl B	61835	2010-07-29 at 08:26	72165	2010-07-29 at 15:20

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10072804 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 238830 - 001 Borehole #1 25' bgs E of Excavated Area 45'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 72165 Date Analyzed: 2010-07-29 Analyzed By: AR
Prep Batch: 61835 Sample Preparation: 2010-07-29 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 238831 - 002 Borehole #1 26' bgs E of Excavated Area 45'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 72165 Date Analyzed: 2010-07-29 Analyzed By: AR
Prep Batch: 61835 Sample Preparation: 2010-07-29 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 238832 - 003 Borehole #2 25' bgs E of Excavated Area 110'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 72165 Date Analyzed: 2010-07-29 Analyzed By: AR
Prep Batch: 61835 Sample Preparation: 2010-07-29 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 238833 - 004 Borehole #2 26' bgs E of Excavated Area 110'

Laboratory: Midland
Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
QC Batch: 72165 Date Analyzed: 2010-07-29 Analyzed By: AR
Prep Batch: 61835 Sample Preparation: 2010-07-29 Prepared By: AR

continued ...

sample 238833 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<200	mg/Kg	50	4.00

Sample: 238834 - 005 Excavated Area East Side Wall

Laboratory: Midland
 Analysis: Chloride (Titration) Analytical Method: SM 4500-Cl B Prep Method: N/A
 QC Batch: 72165 Date Analyzed: 2010-07-29 Analyzed By: AR
 Prep Batch: 61835 Sample Preparation: 2010-07-29 Prepared By: AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		569	mg/Kg	50	4.00

Method Blank (1) QC Batch: 72165

QC Batch: 72165 Date Analyzed: 2010-07-29 Analyzed By: AR
 Prep Batch: 61835 QC Preparation: 2010-07-29 Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<2.18	mg/Kg	4

Laboratory Control Spike (LCS-1)

QC Batch: 72165 Date Analyzed: 2010-07-29 Analyzed By: AR
 Prep Batch: 61835 QC Preparation: 2010-07-29 Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	97.5	mg/Kg	1	100	<2.18	98	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit	
Chloride	103	mg/Kg	1	100	<2.18	103	85 - 115	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 238834

QC Batch: 72165 Date Analyzed: 2010-07-29 Analyzed By: AR
Prep Batch: 61835 QC Preparation: 2010-07-29 Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	10500	mg/Kg	100	10000	569	99	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	10700	mg/Kg	100	10000	569	101	85 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 72165 Date Analyzed: 2010-07-29 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	102	102	85 - 115	2010-07-29

Standard (CCV-1)

QC Batch: 72165 Date Analyzed: 2010-07-29 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.4	98	85 - 115	2010-07-29

