RECEIVED
By JKeyes at 2:45 pm, Mar 07, 2016

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

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

Form C-141
Revised August 8, 2011

Submit 2 Copies to appropriate District Office in accordance with 19.15.29 NMAC.

APPROVED

Release Notification and Corrective Action

OPERATOR

☐ Initial Report x☐ Final Report

Name of Company Matador Production Company	Contact Catherine Green
Address 500 N Main St Ste One	Telephone No. 575-623-6601
Facility Name Chevron 12 Fed # 5	Facility Type Oil Well

Surface Owner	Mineral Owner	API No. 30-025-30682

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	12	18S	32E	1650	FNL	1650	FEL	Lea

Latitude 32.7646065 N_ Longitude__-103.7166214 NAD83_____

NATURE OF RELEASE

Type of Release Oil	Volume of Release 35BBLs	Volume Recovered 25 BBLS
Source of Release Coupling on a pump failed.	Date and Hour of Occurrence Between 9/15/15 and 9/16/15	Date and Hour of Discovery Sept. 16, 2015 10:00 am
Was Immediate Notice Given? x☐ Yes ☐ No ☐ Not Required	If YES, To Whom? Larry Brigance, Production Foreman, Matador Resources	
By Whom? Ismael Lopez	Date and Hour Sept. 16, 2015 10:00am	
Was a Watercourse Reached? ☐ Yes x☐ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Coupling on a pump failed. Fluid contained in dike. Hauler recovered 25 bbls of fluid. Contaminated soil was removed from containment. Soil samples were collected and sent to labs for analysis. Uncontaminated soil was placed in the containment, and was rebuilt.

Describe Area Affected and Cleanup Action Taken.*
Inside dike. Hauler recovered 25 bbls of fluid. Diamondback Disposal will be on location to collect soil samples, and complete reclamation work. Lab reports and photos will be submitted.

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: *Catherine Green*	OIL CONSERVATION DIVISION	
Printed Name: Catherine Green	Approved by Environmental Specialist:	
Title: Regulatory Analyst	Approval Date: 03/07/2016	Expiration Date: ///
E-mail Address: cgreen@matadorresources.com	Conditions of Approval: ///	Attached ☐ 2RP 3869
Date: March 7, 2016 Phone: 575-623-6601		

* Attach Additional Sheets If Necessary

Chevron 12 Fed #5 Final Report
Dec. 7, 2015

Matador Resources Production Foreman encountered a broken coupling on a transfer pump on Sept. 16, 2015 at 10:00am. It was estimated that 35 barrels of fluid had spilled into the earthen dike. See attached photos. The foreman turned the well off, telephoned to report the spill, telephoned for a vacuum truck to vacuum up as much fluid as possible, and ordered a new pump. 25 barrels of fluid were recovered.

The well was drilled in 1989. Based on the location of the well, depth to ground water is an estimate from data obtained from the NM Office of the State Engineer. It is estimated that depth to ground water is between 100 and 400 feet from the surface.

Diamondback Disposal Service collected soil samples at the indicated locations. See attached location plat diagram. Soil samples were sent to Cardinal Labs. Original soil samples from the surface indicated benzene, toluene, and total BTEX to be above reporting limits. Contaminated soil was removed from the spill area and taken to R360 environmental. A second set of soil samples were collected at a depth of 18 inches below surface. Cardinal Labs analyzed them. See attached. Results are below reporting limits. Clean soil was brought in, and the location was returned to normal operations.

Pictures of spill, September 16, 2015

CARDINAL Laboratories

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

September 28, 2015

BRANDON PRICE

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: CHEVRON 12 #5 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/22/15 13:38.

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

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

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

Accreditation applies to public drinking water matrices.

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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
BRANDON PRICE
P. O. BOX 2491
HOBBS NM, 88241
Fax To: (575) 392-9376

Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/28/2015	Sampling Type:	Soil
Project Name:	CHEVRON 12 #5 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SURFACE INITIAL #1 (H502495-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**6.30**	0.200	09/25/2015	ND	2.01	100	2.00	0.972	
Toluene*	**8.58**	0.200	09/25/2015	ND	1.72	86.1	2.00	2.19	
Ethylbenzene*	**3.97**	0.200	09/25/2015	ND	1.62	80.8	2.00	3.25	
Total Xylenes*	**4.06**	0.600	09/25/2015	ND	5.09	84.9	6.00	1.94	
Total BTEX	**22.9**	1.20	09/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) *94.1 %* *85.6-137*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**336**	16.0	09/23/2015	ND	432	108	400	0.00	

TPH 8015M mg/kg Analyzed By: MS S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**204**	100	09/24/2015	ND	178	88.8	200	12.4	
DRO >C10-C28	**31600**	100	09/24/2015	ND	226	113	200	0.764	

Surrogate: 1-Chlorooctane *105 %* *47.2-157*
Surrogate: 1-Chlorooctadecane *1050 %* *52.1-176*

Cardinal Laboratories

*=Accredited Analyte

CARDINAL Laboratories

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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
BRANDON PRICE
P. O. BOX 2491
HOBBS NM, 88241
Fax To: (575) 392-9376

Received:	09/22/2015	Sampling Date:	09/21/2015
Reported:	09/28/2015	Sampling Type:	Soil
Project Name:	CHEVRON 12 #5 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SURFACE INITIAL #2 (H502495-02)

BTEX 8021B — **mg/kg** — **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	**1.68**	0.050	09/25/2015	ND	2.01	100	2.00	0.972	
Toluene*	**3.87**	0.050	09/25/2015	ND	1.72	86.1	2.00	2.19	
Ethylbenzene*	**2.91**	0.050	09/25/2015	ND	1.62	80.8	2.00	3.25	
Total Xylenes*	**3.32**	0.150	09/25/2015	ND	5.09	84.9	6.00	1.94	
Total BTEX	**11.8**	0.300	09/25/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID *115 %* *85.6-137*

Chloride, SM4500Cl-B — **mg/kg** — **Analyzed By: HM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**256**	16.0	09/23/2015	ND	432	108	400	0.00	

TPH 8015M — **mg/kg** — **Analyzed By: MS** — **S-06**

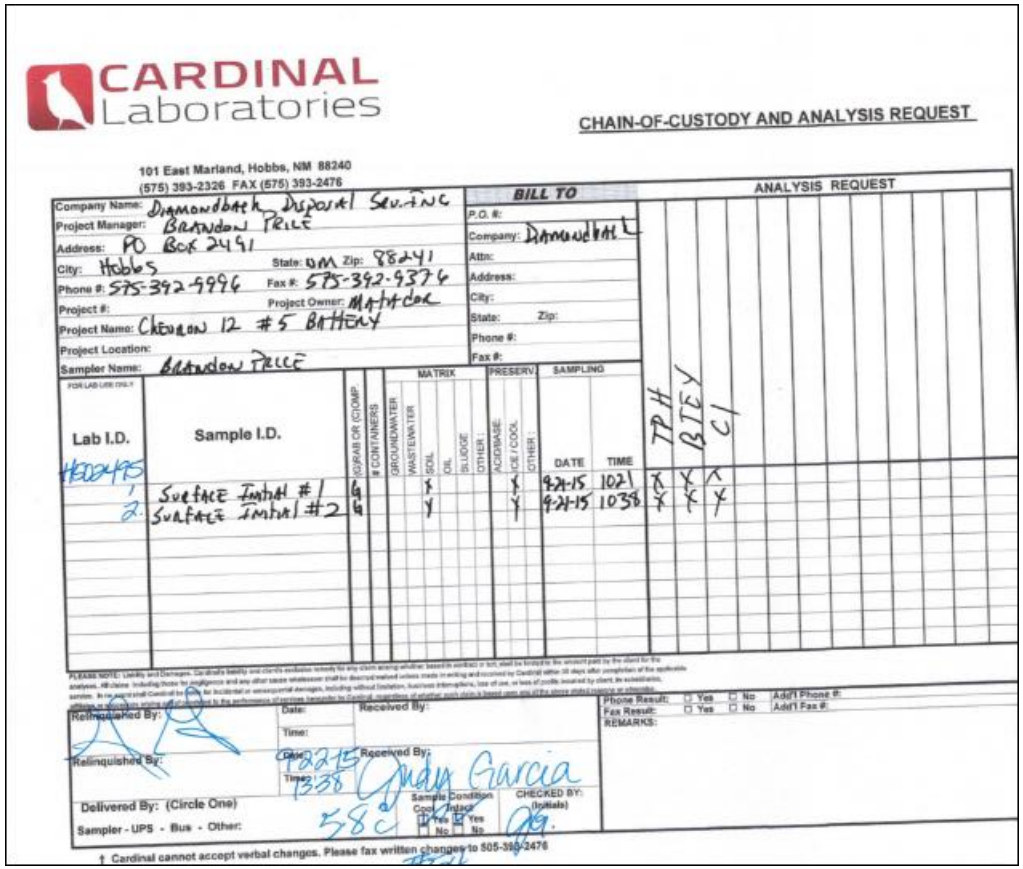
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**108**	100	09/24/2015	ND	178	88.8	200	12.4	
DRO >C10-C28	**22500**	100	09/24/2015	ND	226	113	200	0.764	

Surrogate: 1-Chlorooctane *104 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *760 %* *52.1-176*

Cardinal Laboratories

*=Accredited Analyte



CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Diamondback Disposal Service
Project Manager: Brandon Price
Address: PO Box 2491
City: Hobbs State: NM Zip: 88241
Phone #: 575-392-9996 Fax #: 575-392-9376
Project #: Project Owner: Matador
Project Name: Chevron 12 #5 Battery
Project Location:
Sampler Name: Brandon Price

BILL TO
P.O. #:
Company: Diamondback
Attn:
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST: TPH, BTEX, Cl

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER:	PRESERV: ACID/BASE, ICE / COOL, OTHER:	SAMPLING: DATE	TIME
H600495 1	Surface Install #1	G	1	Y	Y	9-21-15	1021
2	Surface Install #2	G	1	Y	Y	9-21-15	1038

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Date: 9-21-15 Time: 1338 Received By: Jonay Garcia
Relinquished By: Date: Time: Received By:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Sample Condition: Cool: Yes / No Intact: Yes / No
CHECKED BY: (Initials)
58 C

Phone Result: Yes No Add'l Phone #:
Fax Result: Yes No Add'l Fax #:
REMARKS:

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

New water transfer pump.
Chevron 12-5

Soil samples collected and analyzed by Cardinal Labs. Final results below. New transfer pump.

CARDINAL Laboratories

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

November 06, 2015

BRANDON PRICE

DIAMONDBACK DISPOSAL SERVICE INC.

P. O. BOX 2491

HOBBS, NM 88241

RE: CHEVRON 12 #5 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/02/15 9:05.

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

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

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

Accreditation applies to public drinking water matrices.

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

Celey D. Keene

Lab Director/Quality Manager

Final lab results from Cardinal Labs for Chevron 12 -5 spill.

CARDINAL Laboratories

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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
BRANDON PRICE
P. O. BOX 2491
HOBBS NM, 88241
Fax To: (575) 392-9376

Received:	11/02/2015	Sampling Date:	10/27/2015
Reported:	11/06/2015	Sampling Type:	Soil
Project Name:	CHEVRON 12 #5 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY		

Sample ID: EAST CONFIRMATION (H502870-01)

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	11/05/2015	ND	2.08	104	2.00	2.22	
Toluene*	<0.050	0.050	11/05/2015	ND	2.28	114	2.00	2.94	
Ethylbenzene*	<0.050	0.050	11/05/2015	ND	2.06	103	2.00	3.69	
Total Xylenes*	<0.150	0.150	11/05/2015	ND	6.56	109	6.00	3.57	
Total BTEX	<0.300	0.300	11/05/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *73.6-140*

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	11/04/2015	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	11/04/2015	ND	212	106	200	1.40	
DRO >C10-C28	<10.0	10.0	11/04/2015	ND	218	109	200	2.41	

Surrogate: 1-Chlorooctane *117 %* *35-147*
Surrogate: 1-Chlorooctadecane *130 %* *28-171*

CARDINAL Laboratories

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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
BRANDON PRICE
P. O. BOX 2491
HOBBS NM, 88241
Fax To: (575) 392-9376

Received:	11/02/2015	Sampling Date:	10/27/2015
Reported:	11/06/2015	Sampling Type:	Soil
Project Name:	CHEVRON 12 #5 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY		

Sample ID: WEST CONFIRMATION (H502870-02)

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	11/05/2015	ND	2.08	104	2.00	2.22	
Toluene*	<0.050	0.050	11/05/2015	ND	2.28	114	2.00	2.94	
Ethylbenzene*	<0.050	0.050	11/05/2015	ND	2.06	103	2.00	3.69	
Total Xylenes*	<0.150	0.150	11/05/2015	ND	6.56	109	6.00	3.57	
Total BTEX	<0.300	0.300	11/05/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID *107 %* *73.6-140*

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	11/04/2015	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	11/04/2015	ND	212	106	200	1.40	
DRO >C10-C28	<10.0	10.0	11/04/2015	ND	218	109	200	2.41	

Surrogate: 1-Chlorooctane *112 %* *35-147*

Surrogate: 1-Chlorooctadecane *122 %* *28-171*

CARDINAL Laboratories

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

Analytical Results For:

DIAMONDBACK DISPOSAL SERVICE INC.
BRANDON PRICE
P. O. BOX 2491
HOBBS NM, 88241
Fax To: (575) 392-9376

Received:	11/02/2015	Sampling Date:	10/27/2015
Reported:	11/06/2015	Sampling Type:	Soil
Project Name:	CHEVRON 12 #5 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY		

Sample ID: CENTER CONFIRMATION (H502870-03)

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	11/05/2015	ND	2.08	104	2.00	2.22	
Toluene*	<0.050	0.050	11/05/2015	ND	2.28	114	2.00	2.94	
Ethylbenzene*	<0.050	0.050	11/05/2015	ND	2.06	103	2.00	3.69	
Total Xylenes*	<0.150	0.150	11/05/2015	ND	6.56	109	6.00	3.57	
Total BTEX	<0.300	0.300	11/05/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *73.6-140*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AP**

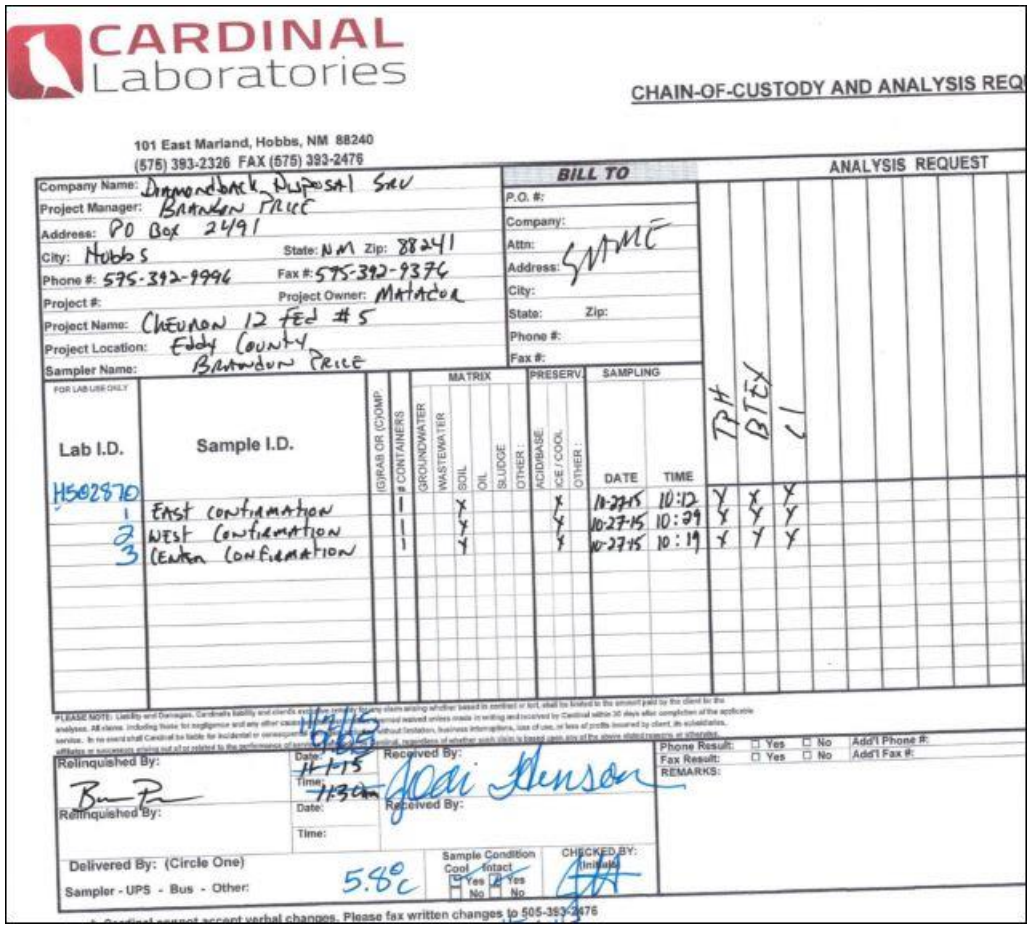
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/04/2015	ND	416	104	400	0.00	

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	11/04/2015	ND	212	106	200	1.40	
DRO >C10-C28	<10.0	10.0	11/04/2015	ND	218	109	200	2.41	

Surrogate: 1-Chlorooctane *110 %* *35-147*

Surrogate: 1-Chlorooctadecane *121 %* *28-171*



CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQ

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

Company Name: Diamondback Disposal Svc
Project Manager: Brandon Price
Address: PO Box 2491
City: Hobbs State: NM Zip: 88241
Phone #: 575-392-9996 Fax #: 575-392-9376
Project #: Project Owner: Matador
Project Name: Chevron 12 Fed #5
Project Location: Eddy County
Sampler Name: Brandon Price

BILL TO
P.O. #:
Company:
Attn: SMMC
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	TPH	BTEX	Cl
H502870																	
1	East Confirmation		1			X					X		10-27-15	10:12	Y	Y	Y
2	West Confirmation		1			X					X		10-27-15	10:09	Y	Y	Y
3	Center Confirmation		1			X					X		10-27-15	10:19	Y	Y	Y

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Date: 10-27-15 Time: 1130 Received By:
Relinquished By: Date: Time: Received By:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 5.4°C
Sample Condition: Cool: Yes / No Intact: Yes / No
CHECKED BY: (Initials)

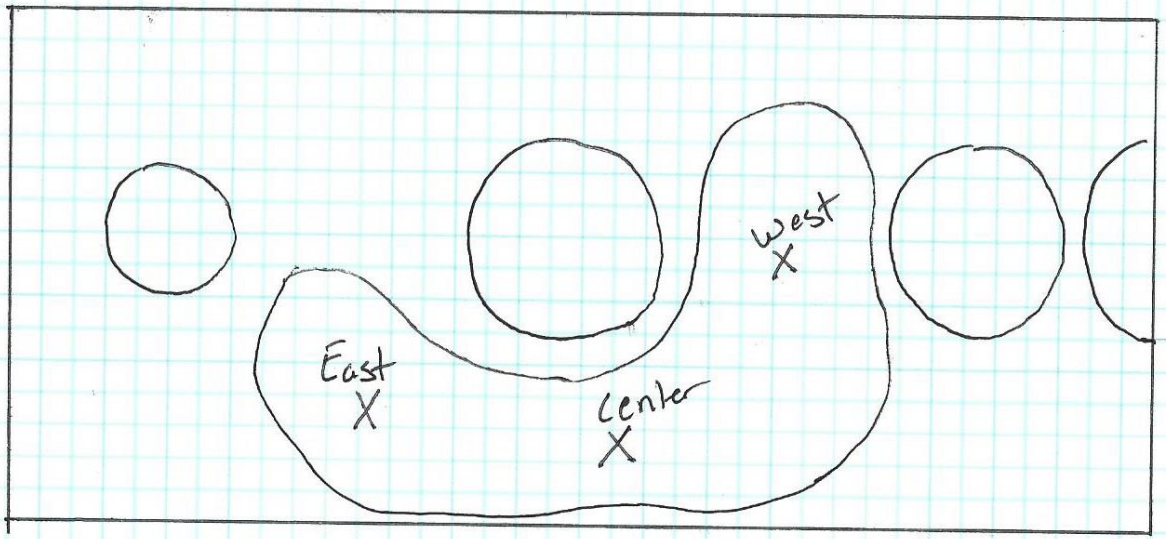
Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

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

Diamondback Location Plat

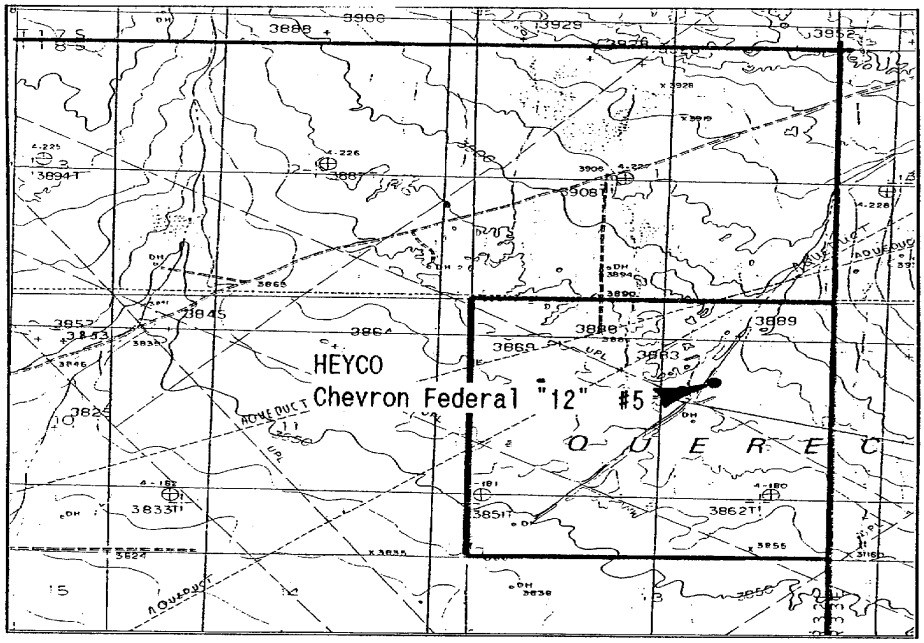
Well/Facility Name: Chevron 12 #5

Date: 11-30-15



Aprrox 18 in deep

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL 10'

SEC. 12 TWP. 18S RGE. 32E

SURVEY N.M.P.M.

COUNTY Lea STATE NM

DESCRIPTION 1650' FNL & 1650' FEL

ELEVATION 3881.3

OPERATOR Harvey E. Yates Company

LEASE Chevron Federal "12" #5

U.S.G.S. TOPOGRAPHIC MAP

Dog Lake, NM

JOHN WEST ENGINEERING
HOBBS, NEW MEXICO
(505) 393-3117

Souder, Miller & Associates ♦ 201 S. Halagueno ♦ Carlsbad, NM 88221
(575) 689-7040

January 12, 2016

#5B24624 BG1

Catherine Green
Regulatory Analyst
Matador Resources Company
PO Box 1933,
Roswell, NM 88202

SUBJECT: SUMMARY OF WORK PERFORMED AT THE CHEVRON 12 #005, LEA COUNTY, NEW MEXICO

Dear Mrs. Green,

Souder, Miller & Associates (SMA) is pleased to submit this summary of work and laboratory analytical results for the remediated tank battery located on site, related to Chevron 12 # 005. SMA staff based in the Carlsbad, New Mexico office, within 55 miles of the project site performed the field sampling of the tank battery. All field samples were collected under the supervision Kellie Jones, Environmental Specialist, District 1 Oil Conservation Division, EMNRD. All samples collected were sent under chain of custody to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico for laboratory analytical confirmation. Senior support and QAQC review on this project was provided by our Farmington office.

For questions or comments pertaining to the assessment, please feel free to contact me.

Submitted by:

SOUDER, MILLER & ASSOCIATES

J. Austin Weyant
Project Scientist

Reviewed by:

Cynthia Gray, CHMM
Senior Scientist

SITE ASSESSMENT AND SAMPLE RESULTS

CHEVRON 12 #005

API# 30-025-30682
SECTION 12, T18S R32E, NMPM
LEA COUNTY, NM

Prepared for:
Matador Resources Company
PO Box 1933,
Roswell, NM 88202

Prepared by:
Souder, Miller & Associates
201 S. Halagueno
Carlsbad, NM 88221
575-689-7040

January 12, 2016
SMA Reference
5B24270 BG1

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1.0 Introduction

At the request of Matador Resources Company, Souder, Miller & Associates (SMA) has prepared this summary of work related to the Chevron 12 #005. The site is located in Section 12, T 18S, R 32 E NMPM , Lea County, New Mexico, on land owned by the Bureau of Land Management (BLM).

2.0 Site Assessment

On December 10, 2015, SMA Carlsbad Office personnel requested, on behalf of Matador Resources Company, that representatives from both NMOCD and BLM witness a sample event regarding the release site located on the Chevron 12 Fed 5 in Lea County, New Mexico. The purpose of the sample event was to document remediation and obtain approval from the New Mexico Oil Conservation Division (NMOCD) and Bureau of Land Management for closure of the open incident 1RP-3869.

3.0 Summary of Work Performed

On December 16, 2015, after receiving 811 clearance, SMA field personnel assessed the remediated release area onsite with a gas powered auger and Photo Ionization Detector RAE 2000. The potentially affected area was found to be approximately 75 feet long and 20 feet wide. Delineation samples were taken to depths of three feet bgs. Specific sample locations for all samples are depicted on Figure 2 (Sample Location Map) along with sampling details. All samples were collected and processed according to NMOCD soil sampling procedures.

Each sample container was labeled, placed on ice in an insulated cooler, and chilled to a temperature of approximately 40°F (4°C). The cooler was then sealed for shipment to the laboratory. The soil samples were delivered to Hall Environmental Analysis Laboratory, in Albuquerque, New Mexico for TPH (GRO/ DRO) analysis by EPA Method 8015 (modified) and BTEX analyses by EPA Method\8021B. Proper chain-of-custody documentation accompanied the samples to the laboratory.

4.0 Conclusions and Recommendations

The ranking for the Chevron 12 #005 site was previously established by Matador Resources as a 0. NMOCD Guidelines for Remediation of Leaks, Spills, and Releases have established the following action levels for contaminants of concern with a site ranking of 0: 10 ppm (mg/kg) Benzene, 50 ppm total BTEX, and 5000 ppm TPH.

Laboratory analytical results for all final closure samples collected were below NMOCD action levels for Benzene, BTEX, and TPH as well as below laboratory detection limits for the methods used.

Soil sample locations are illustrated in Figure 2. A summary of laboratory analytical results is included in Table 2. Laboratory reports are included in Appendix A. Photo documentation is in Appendix B.

If there are any questions regarding this report, please contact either Austin Weyant at 575-689-7040 or Cindy Gray at 505-325-7535.

Submitted by:

SOUDER, MILLER & ASSOCIATES

Austin Weyant
Project Scientist

Reviewed by:

Cynthia Gray, CHMM
Senior Scientist

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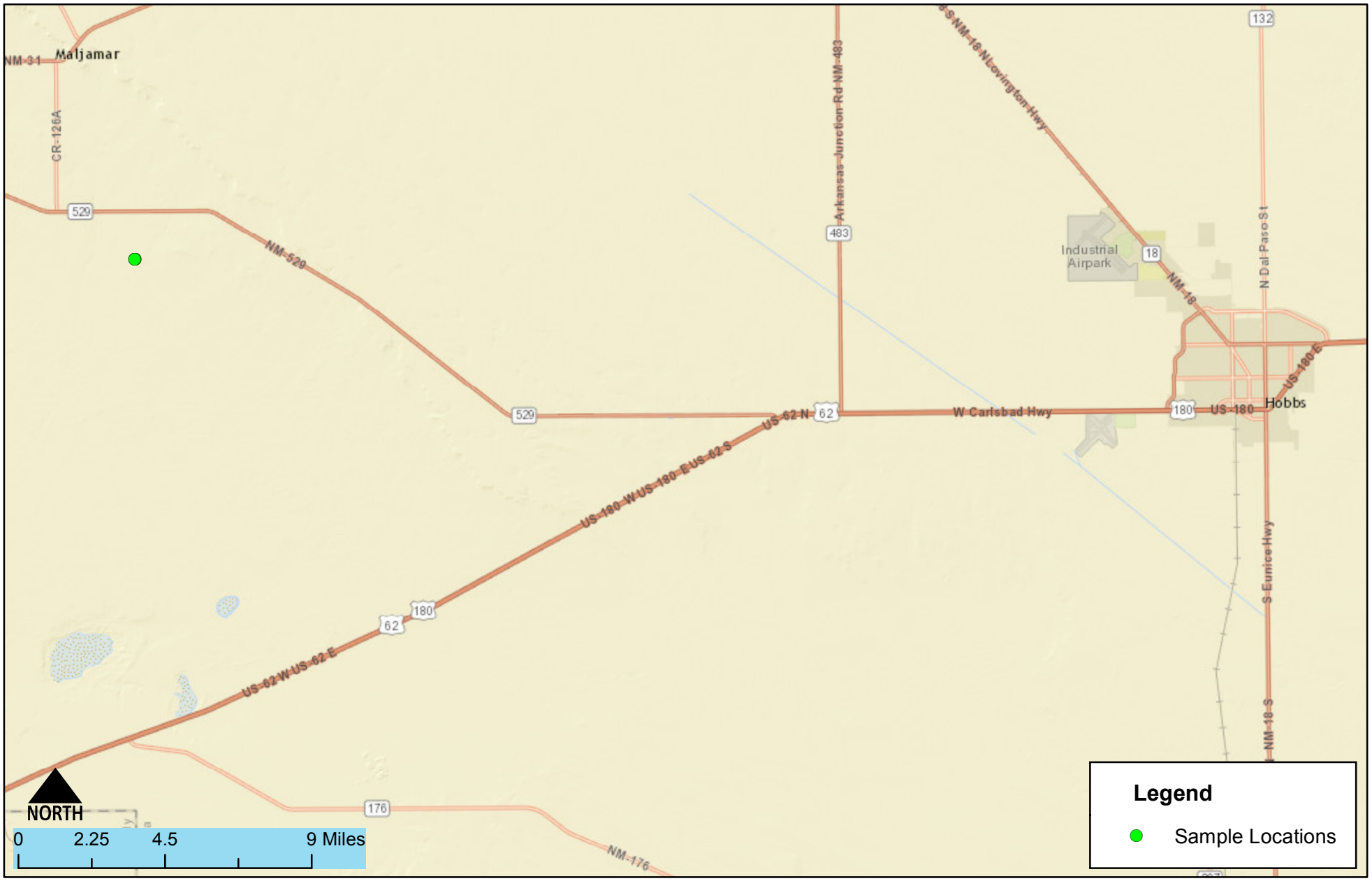
FIGURE 1
VICINITY MAP



Vicinity Map
Matador Resources Company- Chevron 12 Federal #5
Hobbs, New Mexico

Figure 1

Revisions
By: Date: Descr:
By: Date: Descr:

Date Saved: 1/14/2016

Drawn Lucas Middleton
Checked
Approved

SMA
201 South Halaguena Street
Carlsbad, New Mexico 88221
(575) 689.7040
www.soudermiller.com
Serving the Southwest & Rocky Mountains

Document: C:\Users\lcm\Documents\GIS DATA\MAPS\Figure 2 chev 12.mxd

FIGURE 2

DETAILED SITE AND SAMPLE MAP

Site Detail and Sample Locations
Matador Resources Company- Chevron 12 Federal #5
Hobbs, New Mexico

Figure 2

Revisions
By: Date: Descr:
By: Date: Descr:

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Date Saved: 1/14/2016

Document: C:\Users\lcm\Documents\GIS DATA\MAPS\Figure 2 chev 12.mxd

TABLE 1
SUMMARY OF FIELD RESULTS

Table 2: Summary of Field Screening Results

12/16/2015

FIELD SCREENING RESULTS SUMMARY					
Date	Time	Field Screening Reference	Sample Depth (Feet BGS)	PID Results	Lab Sample Collected Y/N
12/16/2015	15:00	L1W-1	1	ND	y
12/16/2015	15:00	L1W-2	2	ND	y
12/16/2015	15:00	L1W-3	3	ND	y
12/16/2015	15:00	L2C-1	1	ND	y
12/16/2015	15:00	L2C-2	2	ND	y
12/16/2015	15:00	L2C-3	3	ND	y
12/16/2015	15:00	L3E-1	1	ND	y
12/16/2015	15:00	L3E-2	2	ND	y
12/16/2015	15:00	L3E-3	3	ND	y

TABLE 2

SUMMARY OF LABORATORY ANALYSES

Table 2: Summary of Laboratory Analyses

Analytical Report- 1512A53	Sample Number on Figure 2 Map	Sample Date	Depth	BTEX ppm	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	Cl- mg/Kg
1512A53-001	L1W-2	12/16/2015	2	BDL	BDL	BDL	43	N/A
1512A53-002	L1W-3	12/16/2015	3	BDL	BDL	BDL	BDL	N/A
1512A53-003	L2C-2	12/16/2015	2	BDL	BDL	BDL	BDL	N/A
1512A53-004	L2C-3	12/16/2015	3	BDL	BDL	BDL	BDL	N/A
1512A53-005	L3E-2	12/16/2015	2	BDL	BDL	BDL	15	N/A
1512A53-006	L3E-3	12/16/2015	3'	BDL	BDL	BDL	BDL	N/A

APPENDIX A
LABORATORY REPORT

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 30, 2015

Austin Weyant
Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-7040
FAX

RE: Chevron 12 #5 OrderNo.: 1512A53

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 6 sample(s) on 12/22/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: LIW-2
Project: Chevron 12 #5
Collection Date: 12/16/2015 3:00:00 PM
Lab ID: 1512A53-001 **Matrix:** SOIL **Received Date:** 12/22/2015 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	43	9.6		mg/Kg	1	12/28/2015 3:56:02 PM	22934
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/28/2015 3:56:02 PM	22934
Surr: DNOP	89.6	70-130		%REC	1	12/28/2015 3:56:02 PM	22934
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/24/2015 4:27:39 PM	22945
Surr: BFB	80.1	66.2-112		%REC	1	12/24/2015 4:27:39 PM	22945
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.096		mg/Kg	1	12/24/2015 4:27:39 PM	22945
Benzene	ND	0.048		mg/Kg	1	12/24/2015 4:27:39 PM	22945
Toluene	ND	0.048		mg/Kg	1	12/24/2015 4:27:39 PM	22945
Ethylbenzene	ND	0.048		mg/Kg	1	12/24/2015 4:27:39 PM	22945
Xylenes, Total	ND	0.096		mg/Kg	1	12/24/2015 4:27:39 PM	22945
Surr: 4-Bromofluorobenzene	99.9	80-120		%REC	1	12/24/2015 4:27:39 PM	22945

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: LIW-3
Project: Chevron 12 #5
Collection Date: 12/16/2015 3:00:00 PM
Lab ID: 1512A53-002 **Matrix:** SOIL **Received Date:** 12/22/2015 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/28/2015 4:17:48 PM	22934
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/28/2015 4:17:48 PM	22934
Surr: DNOP	89.4	70-130		%REC	1	12/28/2015 4:17:48 PM	22934
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/24/2015 4:52:14 PM	22945
Surr: BFB	88.5	66.2-112		%REC	1	12/24/2015 4:52:14 PM	22945
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.093		mg/Kg	1	12/24/2015 4:52:14 PM	22945
Benzene	ND	0.046		mg/Kg	1	12/24/2015 4:52:14 PM	22945
Toluene	ND	0.046		mg/Kg	1	12/24/2015 4:52:14 PM	22945
Ethylbenzene	ND	0.046		mg/Kg	1	12/24/2015 4:52:14 PM	22945
Xylenes, Total	ND	0.093		mg/Kg	1	12/24/2015 4:52:14 PM	22945
Surr: 4-Bromofluorobenzene	119	80-120		%REC	1	12/24/2015 4:52:14 PM	22945

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: L2C-2
Project: Chevron 12 #5
Collection Date: 12/16/2015 3:00:00 PM
Lab ID: 1512A53-003
Matrix: SOIL
Received Date: 12/22/2015 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/28/2015 4:39:22 PM	22934
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/28/2015 4:39:22 PM	22934
Surr: DNOP	90.0	70-130		%REC	1	12/28/2015 4:39:22 PM	22934
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/24/2015 5:16:51 PM	22945
Surr: BFB	84.1	66.2-112		%REC	1	12/24/2015 5:16:51 PM	22945
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.095		mg/Kg	1	12/24/2015 5:16:51 PM	22945
Benzene	ND	0.048		mg/Kg	1	12/24/2015 5:16:51 PM	22945
Toluene	ND	0.048		mg/Kg	1	12/24/2015 5:16:51 PM	22945
Ethylbenzene	ND	0.048		mg/Kg	1	12/24/2015 5:16:51 PM	22945
Xylenes, Total	ND	0.095		mg/Kg	1	12/24/2015 5:16:51 PM	22945
Surr: 4-Bromofluorobenzene	111	80-120		%REC	1	12/24/2015 5:16:51 PM	22945

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: L2C-3
Project: Chevron 12 #5
Collection Date: 12/16/2015 3:00:00 PM
Lab ID: 1512A53-004
Matrix: SOIL
Received Date: 12/22/2015 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/28/2015 5:01:09 PM	22934
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/28/2015 5:01:09 PM	22934
Surr: DNOP	92.3	70-130		%REC	1	12/28/2015 5:01:09 PM	22934
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/24/2015 8:56:49 PM	22945
Surr: BFB	79.7	66.2-112		%REC	1	12/24/2015 8:56:49 PM	22945
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.096		mg/Kg	1	12/24/2015 8:56:49 PM	22945
Benzene	ND	0.048		mg/Kg	1	12/24/2015 8:56:49 PM	22945
Toluene	ND	0.048		mg/Kg	1	12/24/2015 8:56:49 PM	22945
Ethylbenzene	ND	0.048		mg/Kg	1	12/24/2015 8:56:49 PM	22945
Xylenes, Total	ND	0.096		mg/Kg	1	12/24/2015 8:56:49 PM	22945
Surr: 4-Bromofluorobenzene	104	80-120		%REC	1	12/24/2015 8:56:49 PM	22945

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: L3E-2
Project: Chevron 12 #5
Collection Date: 12/16/2015 3:00:00 PM
Lab ID: 1512A53-005 **Matrix:** SOIL **Received Date:** 12/22/2015 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	15	9.5		mg/Kg	1	12/28/2015 5:22:34 PM	22934
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/28/2015 5:22:34 PM	22934
Surr: DNOP	94.6	70-130		%REC	1	12/28/2015 5:22:34 PM	22934
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/24/2015 9:21:09 PM	22945
Surr: BFB	81.2	66.2-112		%REC	1	12/24/2015 9:21:09 PM	22945
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.094		mg/Kg	1	12/24/2015 9:21:09 PM	22945
Benzene	ND	0.047		mg/Kg	1	12/24/2015 9:21:09 PM	22945
Toluene	ND	0.047		mg/Kg	1	12/24/2015 9:21:09 PM	22945
Ethylbenzene	ND	0.047		mg/Kg	1	12/24/2015 9:21:09 PM	22945
Xylenes, Total	ND	0.094		mg/Kg	1	12/24/2015 9:21:09 PM	22945
Surr: 4-Bromofluorobenzene	107	80-120		%REC	1	12/24/2015 9:21:09 PM	22945

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Client Sample ID: L3E-3
Project: Chevron 12 #5
Collection Date: 12/16/2015 3:00:00 PM
Lab ID: 1512A53-006
Matrix: SOIL
Received Date: 12/22/2015 9:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/28/2015 5:44:12 PM	22934
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/28/2015 5:44:12 PM	22934
Surr: DNOP	90.5	70-130		%REC	1	12/28/2015 5:44:12 PM	22934
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/24/2015 9:45:26 PM	22945
Surr: BFB	75.8	66.2-112		%REC	1	12/24/2015 9:45:26 PM	22945
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Methyl tert-butyl ether (MTBE)	ND	0.098		mg/Kg	1	12/24/2015 9:45:26 PM	22945
Benzene	ND	0.049		mg/Kg	1	12/24/2015 9:45:26 PM	22945
Toluene	ND	0.049		mg/Kg	1	12/24/2015 9:45:26 PM	22945
Ethylbenzene	ND	0.049		mg/Kg	1	12/24/2015 9:45:26 PM	22945
Xylenes, Total	ND	0.098		mg/Kg	1	12/24/2015 9:45:26 PM	22945
Surr: 4-Bromofluorobenzene	98.5	80-120		%REC	1	12/24/2015 9:45:26 PM	22945

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1512A53**

30-Dec-15

Client: Souder, Miller & Associates

Project: Chevron 12 #5

Sample ID	**MB-22934**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**PBS**	Batch ID:	**22934**		RunNo:	**31075**				
Prep Date:	**12/23/2015**	Analysis Date:	**12/28/2015**		SeqNo:	**950854**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.7		10.00		87.0	70	130			

Sample ID	**LCS-22934**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**LCSS**	Batch ID:	**22934**		RunNo:	**31075**				
Prep Date:	**12/23/2015**	Analysis Date:	**12/28/2015**		SeqNo:	**950855**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.2	65.8	136			
Surr: DNOP	5.0		5.000		99.6	70	130			

Sample ID	**MB-22969**	SampType:	**MBLK**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**PBS**	Batch ID:	**22969**		RunNo:	**31107**				
Prep Date:	**12/28/2015**	Analysis Date:	**12/29/2015**		SeqNo:	**951981**	Units:	**%REC**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		102	70	130			

Sample ID	**LCS-22969**	SampType:	**LCS**		TestCode:	**EPA Method 8015M/D: Diesel Range Organics**				
Client ID:	**LCSS**	Batch ID:	**22969**		RunNo:	**31107**				
Prep Date:	**12/28/2015**	Analysis Date:	**12/29/2015**		SeqNo:	**951987**	Units:	**%REC**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.9		5.000		98.1	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1512A53**

30-Dec-15

Client: Souder, Miller & Associates

Project: Chevron 12 #5

Sample ID	**MB-22945**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBS**	Batch ID:	**22945**	RunNo:	**31062**					
Prep Date:	**12/23/2015**	Analysis Date:	**12/24/2015**	SeqNo:	**950266**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	820		1000		81.7	66.2	112			

Sample ID	**LCS-22945**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSS**	Batch ID:	**22945**	RunNo:	**31062**					
Prep Date:	**12/23/2015**	Analysis Date:	**12/24/2015**	SeqNo:	**950267**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	100	79.6	122			
Surr: BFB	910		1000		90.7	66.2	112			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1512A53**

30-Dec-15

Client: Souder, Miller & Associates

Project: Chevron 12 #5

Sample ID **MB-22945**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **22945**	RunNo: **31062**
Prep Date: **12/23/2015**	Analysis Date: **12/24/2015**	SeqNo: **950286** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.10								
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		108	80	120			

Sample ID **LCS-22945**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **22945**	RunNo: **31062**
Prep Date: **12/23/2015**	Analysis Date: **12/24/2015**	SeqNo: **950305** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	1.0	0.10	1.000	0	103	67.2	121			
Benzene	1.0	0.050	1.000	0	102	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.1	0.10	3.000	0	103	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		124	80	120			S

Sample ID **MB-22951**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **22951**	RunNo: **31062**
Prep Date: **12/23/2015**	Analysis Date: **12/24/2015**	SeqNo: **950330** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Sample ID **LCS-22951**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **22951**	RunNo: **31062**
Prep Date: **12/23/2015**	Analysis Date: **12/24/2015**	SeqNo: **950331** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.2		1.000		119	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: SMA-CARLSBAD Work Order Number: 1512A53 RcptNo: 1

Received by/date: JA 12/22/15

Logged By: **Ashley Gallegos** 12/22/2015 9:25:00 AM

Completed By: **Ashley Gallegos** 12/23/2015 8:36:52 AM

Reviewed By: JO 12/23/15

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.3	Good	Yes			

Chain-of-Custody Record

Client: SMA

Mailing Address: 201 S HALAGUENO
CARLSBAD, NM

Phone #: 575 689-7040

email or Fax#: austin.weyant@salemiller.com

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: CHEVRON 12 #5

Project #:

Project Manager: JAW

Sampler: JAW

On Ice: ☑ Yes ☐ No

Sample Temperature: 4.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1518453	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
12/14	3:00	SOIL	L1W-2	4oz		-001	X		X													
12/14	3:00	SOIL	L1W-3	4oz		-002	X		X													
12/14	3:00	SOIL	L2C-2	4oz		-003	X		X													
12/14	3:00	SOIL	L2C-3	4oz		-004	X		X													
12/14	3:00	SOIL	L3E-2	4oz		-005	X		X													
12/14	3:00	SOIL	L3E-3	4oz		-006	X		X													

Date:	Time:	Relinquished by:	Received by:	Date	Time
			[signature]	12/22/15	0925
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

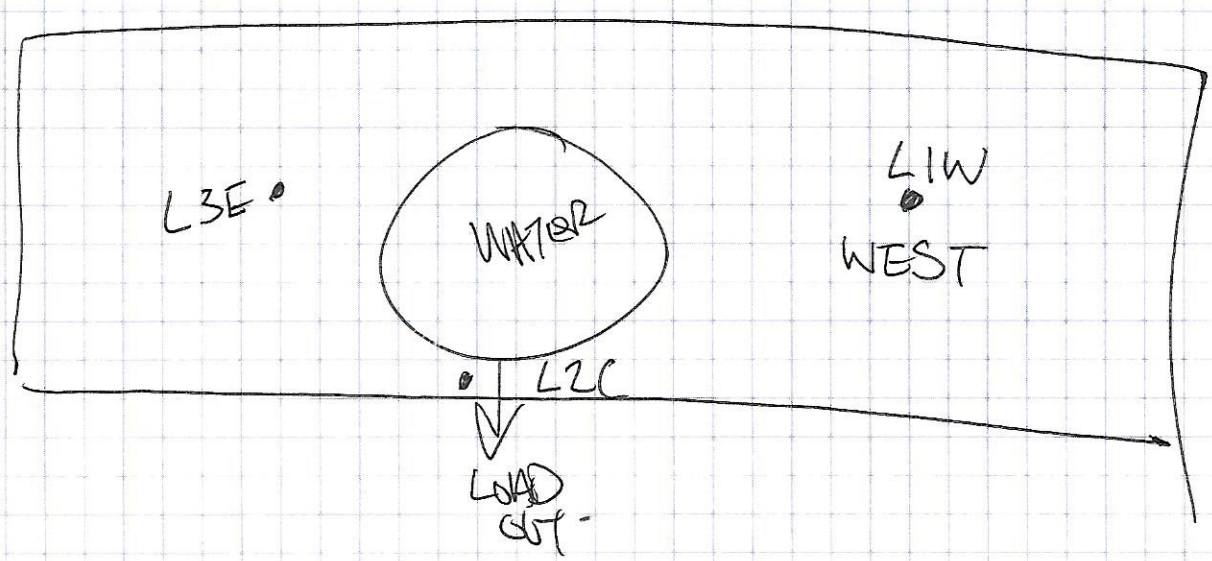
APPENDIX B
PHOTOS AND FIELD NOTES

SUBJECT CHEVRON 12 #5 PROJECT PAGE 1/

CLIENT MATADOR DATE 12/14/13 BY JAW

CHECKED BY

3:15 SAMPLE



PID #223 CAL 1) 103 ppm

L1 2	0.0	2) 103
L1 3	0.0	3) 103 ppm
L2 2	0.4	4) 103 ppm
L2 3	0.0	
L3 2	2.0 2.4	
L3 3	1.6 1.4	

Job Site Safety Meeting Form

SMA
CIVIL/ENVIRONMENTAL SCIENTISTS & ENGINEERS

It is the expressed policy of *SMA* to conduct a safety meeting with all personnel on the jobsite prior to beginning any work. Where applicable the Site Supervisor will conduct the safety meeting and prepare the form. All safety meetings will comply with Tribal, State and Federal regulations and any safety procedures issued by the client.

Date: 12/16/15 Time: 3:16 PM Project Ref.: _____

Location: CHEVRON 12 #5 Client: MAT

Type of work to be performed: Exaction of affected soils with Lab field analysis of Cl- for samples

SMA Supervisor

AUSTIN WEYANT (Print Name) Austin Weyant (Signature)

Hand, Eye and Head Safety	☒	Slip, Trip and Fall	☒	Heavy Equipment Operation	☒
Heat and Cold Stress	☒	Fire/Explosion	☐	Confined Space	☐
Trench Safety	☒	Inhalation Hazards	☐	Noise	☐
Underground Hazards	☒	Overhead Hazards	☐	Contaminated Soils/Liquids	☐
High Pressure Petroleum	☒	Chemical Exposure	☐	Pipeline Safety	☒
Welding Safety	☐	Wildlife, Insects, Microbial	☐	Chemical /HAZMAT exposure	☐

Other: _____

Personal Protective Equipment:

	Coverall	Hardhat	Safety Vest	Gloves	Safety Boots	Nomex/FRC	Personal Gas Detector	Hearing Protection	Safety Glasses W/Side Shields	Level C	Level B	Level A	Other
Daily Routine													
Sampling (Oil Field)		X		X	X	X	X						
Sampling (Non-Oil Field)													
Excavation (Oil Field)		X		X	X	X	X						
Excavation (Non Oil Field)													
Facility Inventory													
Chemical Inventory													
Drilling Operations													
Emergency Response													
Underground Storage Tank Removal													
Hazardous Material Containment/Recovery													

Other equipment requirements: Be Safe and Communicate

Name: (print)	Signature	Company
Jamie Kayes		OCD
Kellie Jones		BCD
Catherine Green		Matador
EFREM SANDOVAL		TOTAL SAFETY

(Attach additional sheets as required)

401 W. Broadway.
Farmington, NM 87401

Telephone: 505-325-7535 FAX: 505-326-0045

Collected 3 foot delineation samples in three locations around the tank battery

SITE ASSESSMENT RESULTS CHEVRON 12#005
SMA Ref 5B24624 BG 1
1/12/16