

RECEIVED

By Kellie Jones at 2:23 pm, Jan 06, 2016

APPROVED CONDITONAL

By Kellie Jones at 2:23 pm, Jan 06, 2016



1. Ensure that sidewall samples are taken at SP-4.
2. Ensure that the State Land Office approval.

Triste Draw 36 State Battery

WORK PLAN

Release Date: 12/13/2015

Sec 36, T23 south, R32 east, Lea County NM

API # 30-025-40184

January 4, 2016

Prepared by:

Lance Crenshaw, Project Manager
Environmental Department
Diversified Field Service, Inc.
206 West Snyder
Hobbs, NM 88240
Phone: (575)964-8394
Fax: (575)393-8396

Kellie Jones
Environmental Specialist
Hobbs, NM 88240

RE: Cimarex, Triste Draw 36 State Battery – Remediation Work Plan
UL/D, Section 36, T23S, R32E
API No. 30-025-40184

Ms. Jones,

Cimarex has retained Diversified Field Service, Inc. (DFSI) to address environmental issues for the site detailed herein.

The site is located west of Jal, NM, in Lea County. The leak occurred on 12/14/2015. The leak site resulted from a failure of a 2" check valve, allowing fluids to overflow blow case and come out 1" vent lines. Approximately 20 bbls of produced water was released, with 12 bbls recovered. The spill affected a fenced area around the compressor and treaters, the pad, and a small area of the pasture. A C-141 was drafted on 12/16/15.

Site Assessment and Delineation

On December 18, 2015 DFSI personnel delineated 6 sample points of the leak area. Each sample was tested for chlorides levels as well as BTEX. The BTEX samples were performed using a Mini Rae Photoionization Detector (PID). The results are attached. Clean samples were taken to a commercial laboratory for confirmation.

DFSI has conducted a groundwater study of the area and has determined that according to the Conoco-Phillips depth-to-groundwater map, the average depth to groundwater for this area is 400 foot below ground surface. Therefore, no eminent danger of groundwater impact or threat to life is anticipated.

Conclusion

After careful review DFSI on behalf of Cimarex would like to propose the following:

Hand dig 1' BGS of contaminated soil in and around the compressor area. On the pad and pasture area, excavate to 1' BGS except in the area of SP4, which will be excavated to 3' BGS. The pad and compressor area will be backfilled with fresh caliche, and the pasture area will be backfilled with native topsoil. The pasture area will also be seeded with a BLM approved seed mixture. All contaminated material will be hauled to an approved NM state disposal.

Following the approval of the above plan, DFSI will submit all proper closure documentation to the NMOCD and BLM in accordance to the State and Federal Guidelines set forth.

Please feel free to contact me with any questions concerning this remediation plan request.

Sincerely,



Michael Burton
Environmental Operations Director
Diversified Field Service, Inc.
206 West Snyder
Hobbs, NM 88240
Office: (575)964-8394
Mobile: (575)390-5454
Fax: (575)964-8396
Email: Mburton@diversifiedfsi.com

cc Shelly Tucker

Attachments: Initial Form C-141
Site/Sample Map
Sample Data
Lab Data
Photo Page

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

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised August 8, 2011

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

Name of Company Cimarex Energy	Contact Christine Alderman
Address 600 N Marienfeld Ste 600 Midland TX	Telephone No. 432-853-7059
Facility Name Triste Draw 36 State #1	Facility Type production

Surface Owner	Mineral Owner	API No. 30-025-40184
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	36	23S	32E	330	N	375	W	Lea

Latitude 32.2675 Longitude -103.6356

NATURE OF RELEASE

Type of Release produced water	Volume of Release 20 bbls	Volume Recovered 12 bbls
Source of Release valve	Date and Hour of Occurrence 12/14/15	Date and Hour of Discovery 12/14/15
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom? Christine Alderman	Date and Hour 12/16/15 9:30am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
A 2" check valve failed and allowed fluids to overflow blow case and come out the 1" vent lines.

Describe Area Affected and Cleanup Action Taken.*
Approx 150'x30' on pad, and approx. 20'x3' into pasture area. Release will be delineated, and a work plan will be developed.

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: <i>Christine Alderman</i>	OIL CONSERVATION DIVISION	
Printed Name: Christine Alderman	Approved by Environmental Specialist:	
Title: ESH Supervisor	Approval Date:	Expiration Date:
E-mail Address: calderman@cimarex.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: Phone: 432-853-7059		

* Attach Additional Sheets If Necessary



Triste Draw 36 State Battery

PHOTO PAGE



Lease sign marking location



Spill area on pad and in pasture



Spill area in and around compressor



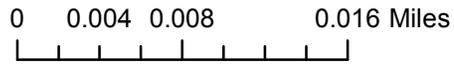
Spill area in and around compressor, treaters



Obtaining soil samples at SP1

Site Diagram

Cimarex, Triste Draw 36 St. Battery
Sec. 36 T23S R32E
Lea County, NM
Drafted By: Lance Crenshaw, 12-15-15



Legend

Misc_points

Types

-  Electrical Box
-  Power Pole
-  Headers
-  Injection
-  Pumpjacks
-  Tanks
-  Valves
-  Other
-  Soil Bores
-  sample_pts
-  Source

Pipeline

Type

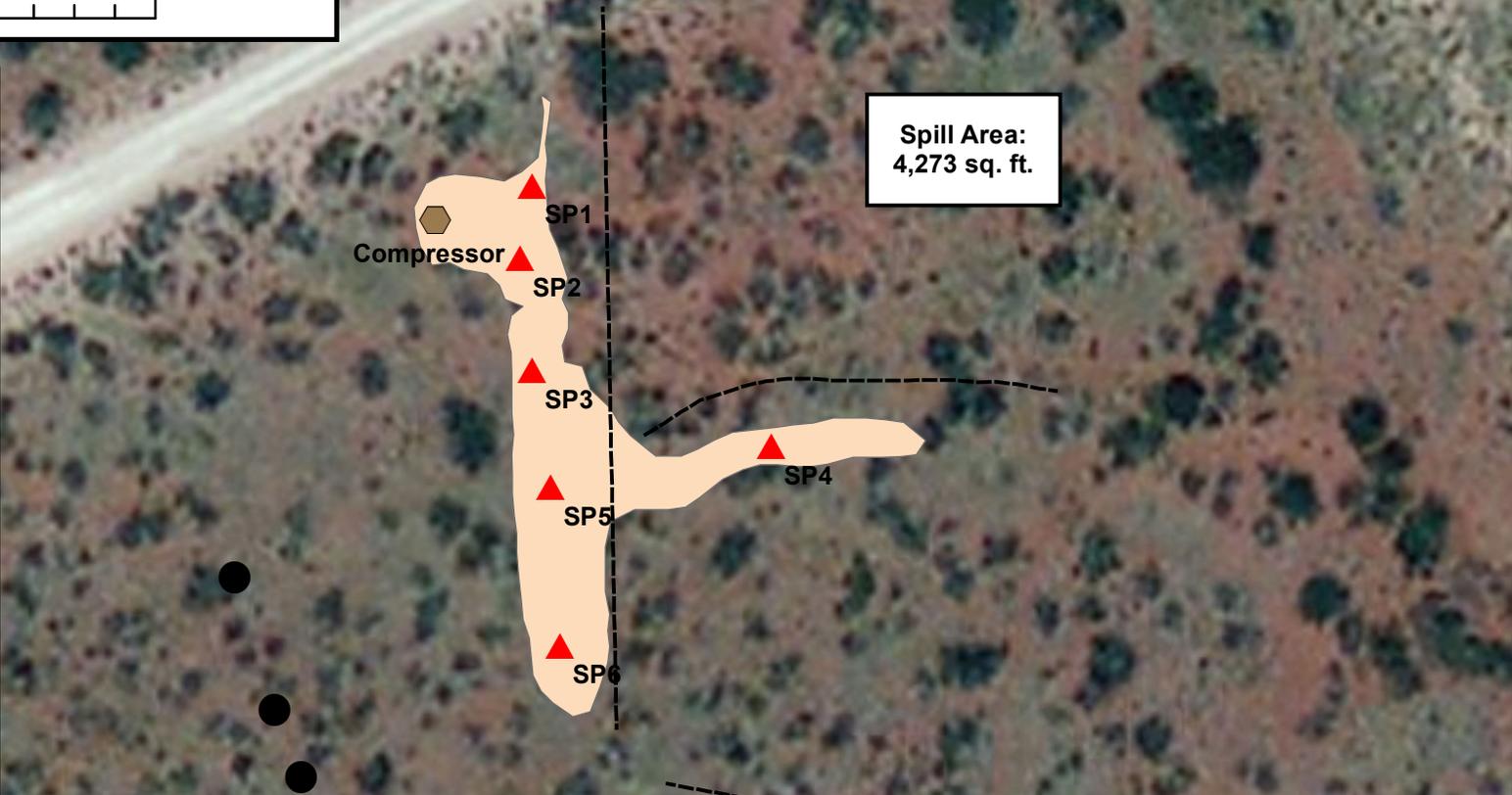
-  Above Ground Line
-  Buried Line

Spill

-  <all other values>

Spill_Media

-  Oil and Produced H2O
-  Oil
-  Other
-  Produced Water



Spill Area:
4,273 sq. ft.

Lance Crenshaw
 GIS Technician

Soil Remediation and Ground Water Remediation
 Environmental Assessments
 Regulatory Compliance



Environmental DFSI Services

Office: 575-964-8394 Cell: 575-441-2359
 Fax: 575-964-8396 Email: lcrenshaw@diversifiedfsi.com

Source: Esri, DigitalGlobe, GeoEye, I-c
 swisstopo, and the GIS User Communi



December 23, 2015

ED LOCKE
CIMAREX
2020 W. BENDER
HOBBS, NM 88240

RE: TRISTE DRAW 36 ST. #1

Enclosed are the results of analyses for samples received by the laboratory on 12/18/15 15:50.

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 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 black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene
Lab Director/Quality Manager

Analytical Results For:

 CIMAREX
 ED LOCKE
 2020 W. BENDER
 HOBBS NM, 88240
 Fax To: ?

Received:	12/18/2015	Sampling Date:	12/18/2015
Reported:	12/23/2015	Sampling Type:	Soil
Project Name:	TRISTE DRAW 36 ST. #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE PT. 1 @ 1' (H503297-01)

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	12/21/2015	ND	2.20	110	2.00	1.51	
Toluene*	<0.050	0.050	12/21/2015	ND	2.25	113	2.00	1.29	
Ethylbenzene*	<0.050	0.050	12/21/2015	ND	2.06	103	2.00	2.62	
Total Xylenes*	<0.150	0.150	12/21/2015	ND	6.56	109	6.00	1.77	
Total BTEX	<0.300	0.300	12/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	144	16.0	12/21/2015	ND	400	100	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	12/21/2015	ND	179	89.3	200	3.51	
DRO >C10-C28	<10.0	10.0	12/21/2015	ND	179	89.7	200	1.86	

Surrogate: 1-Chlorooctane 99.9 % 35-147
Surrogate: 1-Chlorooctadecane 101 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 CIMAREX
 ED LOCKE
 2020 W. BENDER
 HOBBS NM, 88240
 Fax To: ?

Received:	12/18/2015	Sampling Date:	12/18/2015
Reported:	12/23/2015	Sampling Type:	Soil
Project Name:	TRISTE DRAW 36 ST. #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE PT. 1 @ 2' (H503297-02)

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	12/21/2015	ND	2.20	110	2.00	1.51		
Toluene*	<0.050	0.050	12/21/2015	ND	2.25	113	2.00	1.29		
Ethylbenzene*	<0.050	0.050	12/21/2015	ND	2.06	103	2.00	2.62		
Total Xylenes*	<0.150	0.150	12/21/2015	ND	6.56	109	6.00	1.77		
Total BTEX	<0.300	0.300	12/21/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	12/21/2015	ND	400	100	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	12/21/2015	ND	179	89.3	200	3.51		
DRO >C10-C28	<10.0	10.0	12/21/2015	ND	179	89.7	200	1.86		

Surrogate: 1-Chlorooctane 94.4 % 35-147
Surrogate: 1-Chlorooctadecane 94.3 % 28-171

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 CIMAREX
 ED LOCKE
 2020 W. BENDER
 HOBBS NM, 88240
 Fax To: ?

Received:	12/18/2015	Sampling Date:	12/18/2015
Reported:	12/23/2015	Sampling Type:	Soil
Project Name:	TRISTE DRAW 36 ST. #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE PT. 2 @ 1' (H503297-03)

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	12/22/2015	ND	2.11	105	2.00	0.0249	
Toluene*	<0.050	0.050	12/22/2015	ND	2.14	107	2.00	0.928	
Ethylbenzene*	<0.050	0.050	12/22/2015	ND	1.95	97.6	2.00	1.06	
Total Xylenes*	<0.150	0.150	12/22/2015	ND	6.25	104	6.00	0.148	
Total BTEX	<0.300	0.300	12/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	352	16.0	12/21/2015	ND	400	100	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	12/21/2015	ND	179	89.3	200	3.51	
DRO >C10-C28	<10.0	10.0	12/21/2015	ND	179	89.7	200	1.86	

Surrogate: 1-Chlorooctane 106 % 35-147

Surrogate: 1-Chlorooctadecane 104 % 28-171

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 CIMAREX
 ED LOCKE
 2020 W. BENDER
 HOBBS NM, 88240
 Fax To: ?

Received:	12/18/2015	Sampling Date:	12/18/2015
Reported:	12/23/2015	Sampling Type:	Soil
Project Name:	TRISTE DRAW 36 ST. #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE PT. 2 @ 2' (H503297-04)

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	12/22/2015	ND	2.11	105	2.00	0.0249	
Toluene*	<0.050	0.050	12/22/2015	ND	2.14	107	2.00	0.928	
Ethylbenzene*	<0.050	0.050	12/22/2015	ND	1.95	97.6	2.00	1.06	
Total Xylenes*	<0.150	0.150	12/22/2015	ND	6.25	104	6.00	0.148	
Total BTEX	<0.300	0.300	12/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	12/21/2015	ND	400	100	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	12/21/2015	ND	179	89.3	200	3.51	
DRO >C10-C28	<10.0	10.0	12/21/2015	ND	179	89.7	200	1.86	

Surrogate: 1-Chlorooctane 106 % 35-147

Surrogate: 1-Chlorooctadecane 107 % 28-171

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 CIMAREX
 ED LOCKE
 2020 W. BENDER
 HOBBS NM, 88240
 Fax To: ?

Received:	12/18/2015	Sampling Date:	12/18/2015
Reported:	12/23/2015	Sampling Type:	Soil
Project Name:	TRISTE DRAW 36 ST. #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE PT. 3 @ 1' (H503297-05)

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	12/22/2015	ND	2.11	105	2.00	0.0249	
Toluene*	<0.050	0.050	12/22/2015	ND	2.14	107	2.00	0.928	
Ethylbenzene*	<0.050	0.050	12/22/2015	ND	1.95	97.6	2.00	1.06	
Total Xylenes*	<0.150	0.150	12/22/2015	ND	6.25	104	6.00	0.148	
Total BTEX	<0.300	0.300	12/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	80.0	16.0	12/21/2015	ND	400	100	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	12/21/2015	ND	179	89.3	200	3.51	
DRO >C10-C28	<10.0	10.0	12/21/2015	ND	179	89.7	200	1.86	

Surrogate: 1-Chlorooctane 107 % 35-147

Surrogate: 1-Chlorooctadecane 109 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 CIMAREX
 ED LOCKE
 2020 W. BENDER
 HOBBS NM, 88240
 Fax To: ?

Received:	12/18/2015	Sampling Date:	12/18/2015
Reported:	12/23/2015	Sampling Type:	Soil
Project Name:	TRISTE DRAW 36 ST. #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE PT. 3 @ 2' (H503297-06)

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	12/22/2015	ND	2.11	105	2.00	0.0249	
Toluene*	<0.050	0.050	12/22/2015	ND	2.14	107	2.00	0.928	
Ethylbenzene*	<0.050	0.050	12/22/2015	ND	1.95	97.6	2.00	1.06	
Total Xylenes*	<0.150	0.150	12/22/2015	ND	6.25	104	6.00	0.148	
Total BTEX	<0.300	0.300	12/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/21/2015	ND	400	100	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	12/21/2015	ND	179	89.3	200	3.51	
DRO >C10-C28	<10.0	10.0	12/21/2015	ND	179	89.7	200	1.86	

Surrogate: 1-Chlorooctane 105 % 35-147

Surrogate: 1-Chlorooctadecane 108 % 28-171

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 CIMAREX
 ED LOCKE
 2020 W. BENDER
 HOBBS NM, 88240
 Fax To: ?

Received:	12/18/2015	Sampling Date:	12/18/2015
Reported:	12/23/2015	Sampling Type:	Soil
Project Name:	TRISTE DRAW 36 ST. #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE PT. 4 @ 3' (H503297-07)

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	12/22/2015	ND	2.11	105	2.00	0.0249	
Toluene*	<0.050	0.050	12/22/2015	ND	2.14	107	2.00	0.928	
Ethylbenzene*	<0.050	0.050	12/22/2015	ND	1.95	97.6	2.00	1.06	
Total Xylenes*	<0.150	0.150	12/22/2015	ND	6.25	104	6.00	0.148	
Total BTEX	<0.300	0.300	12/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	272	16.0	12/21/2015	ND	400	100	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	12/21/2015	ND	179	89.3	200	3.51	
DRO >C10-C28	<10.0	10.0	12/21/2015	ND	179	89.7	200	1.86	

Surrogate: 1-Chlorooctane 100 % 35-147

Surrogate: 1-Chlorooctadecane 105 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 CIMAREX
 ED LOCKE
 2020 W. BENDER
 HOBBS NM, 88240
 Fax To: ?

Received:	12/18/2015	Sampling Date:	12/18/2015
Reported:	12/23/2015	Sampling Type:	Soil
Project Name:	TRISTE DRAW 36 ST. #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE PT. 5 @ 1' (H503297-08)

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	12/22/2015	ND	2.11	105	2.00	0.0249	
Toluene*	<0.050	0.050	12/22/2015	ND	2.14	107	2.00	0.928	
Ethylbenzene*	<0.050	0.050	12/22/2015	ND	1.95	97.6	2.00	1.06	
Total Xylenes*	<0.150	0.150	12/22/2015	ND	6.25	104	6.00	0.148	
Total BTEX	<0.300	0.300	12/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	12/21/2015	ND	400	100	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	12/21/2015	ND	179	89.3	200	3.51	
DRO >C10-C28	<10.0	10.0	12/21/2015	ND	179	89.7	200	1.86	

Surrogate: 1-Chlorooctane 95.1 % 35-147

Surrogate: 1-Chlorooctadecane 97.5 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 CIMAREX
 ED LOCKE
 2020 W. BENDER
 HOBBS NM, 88240
 Fax To: ?

Received:	12/18/2015	Sampling Date:	12/18/2015
Reported:	12/23/2015	Sampling Type:	Soil
Project Name:	TRISTE DRAW 36 ST. #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE PT. 5 @ 2' (H503297-09)

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	12/22/2015	ND	2.11	105	2.00	0.0249	
Toluene*	<0.050	0.050	12/22/2015	ND	2.14	107	2.00	0.928	
Ethylbenzene*	<0.050	0.050	12/22/2015	ND	1.95	97.6	2.00	1.06	
Total Xylenes*	<0.150	0.150	12/22/2015	ND	6.25	104	6.00	0.148	
Total BTEX	<0.300	0.300	12/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/21/2015	ND	400	100	400	3.92	

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	12/22/2015	ND	188	93.9	200	0.715	
DRO >C10-C28	<10.0	10.0	12/22/2015	ND	176	88.2	200	5.36	

Surrogate: 1-Chlorooctane 103 % 35-147

Surrogate: 1-Chlorooctadecane 100 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 CIMAREX
 ED LOCKE
 2020 W. BENDER
 HOBBS NM, 88240
 Fax To: ?

Received:	12/18/2015	Sampling Date:	12/18/2015
Reported:	12/23/2015	Sampling Type:	Soil
Project Name:	TRISTE DRAW 36 ST. #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE PT. 6 @ 1' (H503297-10)

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	12/22/2015	ND	2.11	105	2.00	0.0249	
Toluene*	<0.050	0.050	12/22/2015	ND	2.14	107	2.00	0.928	
Ethylbenzene*	<0.050	0.050	12/22/2015	ND	1.95	97.6	2.00	1.06	
Total Xylenes*	<0.150	0.150	12/22/2015	ND	6.25	104	6.00	0.148	
Total BTEX	<0.300	0.300	12/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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	12/21/2015	ND	400	100	400	3.92	

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	12/22/2015	ND	188	93.9	200	0.715	
DRO >C10-C28	<10.0	10.0	12/22/2015	ND	176	88.2	200	5.36	

Surrogate: 1-Chlorooctane 102 % 35-147

Surrogate: 1-Chlorooctadecane 102 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 CIMAREX
 ED LOCKE
 2020 W. BENDER
 HOBBS NM, 88240
 Fax To: ?

Received:	12/18/2015	Sampling Date:	12/18/2015
Reported:	12/23/2015	Sampling Type:	Soil
Project Name:	TRISTE DRAW 36 ST. #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SAMPLE PT. 6 @ 2' (H503297-11)

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	12/22/2015	ND	2.11	105	2.00	0.0249	
Toluene*	<0.050	0.050	12/22/2015	ND	2.14	107	2.00	0.928	
Ethylbenzene*	<0.050	0.050	12/22/2015	ND	1.95	97.6	2.00	1.06	
Total Xylenes*	<0.150	0.150	12/22/2015	ND	6.25	104	6.00	0.148	
Total BTEX	<0.300	0.300	12/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 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	12/21/2015	ND	400	100	400	3.92	

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	12/22/2015	ND	188	93.9	200	0.715	
DRO >C10-C28	<10.0	10.0	12/22/2015	ND	176	88.2	200	5.36	

Surrogate: 1-Chlorooctane 103 % 35-147

Surrogate: 1-Chlorooctadecane 98.0 % 28-171

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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

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Celey D. Keene, Lab Director/Quality Manager

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

BILL TO

ANALYSIS REQUEST

Company Name: Univex
 Project Manager: Ed Locke
 Address: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____ Fax #: _____
 Project #: _____ Project Owner: _____
 Project Name: Univex
 Project Location: Triste Draw 36 St #1
 Sampler Name: Chris Flores
 P.O. #: _____ Company: _____
 Attn: _____ Address: _____
 City: _____ State: _____ Zip: _____
 Phone #: _____ Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chloride	BTEX	Ten
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H503897	1		1							12/18/05	9:00 AM	X	X	X
	2		1								9:10 AM	X	X	X
	3		1								10:10 AM	X	X	X
	4		1								10:20 AM	X	X	X
	5		1								11:15 AM	X	X	X
	6		1								11:30 AM	X	X	X
	7		1								12:00 PM	X	X	X
	8		1								12:30 PM	X	X	X
	9		1								12:40 PM	X	X	X
	10		1								1:20 PM	X	X	X

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Relinquished By: _____ Date: 12/18/05
 Type: 3:50
 Received By: Scott Stewart
 Delivered By: (Circle One) 4:42
 Sampler - UPS - Bus - Other: _____
 Sample Condition: Cool Intact
 Checked By: _____
 Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes No Add'l Fax #: _____

REMARKS: Email to: Terenshaw@diversifiedfire.com
mburton
mpatterson
cflores

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326 #54



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

No records found.

PLSS Search:

Section(s): 36

Township: 23S

Range: 32E