

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 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: Elm Ridge Exploration CO LLC	Contact Tim Duggan	
Address PO BOX 156 Bloomfield, NM 87413	Telephone No. 505-320-1952	
Facility Name CBU #8	Facility Type Well	
Surface Owner Navajo	Mineral Owner Allotted	API No. 30-045-05547

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	5	25N	12W	1980	SOUTH	1980	WEST	SAN JUAN

Latitude 36.42822 Longitude -108.13659

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 10 bbls	Volume Recovered 62 CY of soil
Source of Release Pipeline Leak	Date and Hour of Occurrence 04:00 PM 05-18-14	Date and Hour of Discovery 04:30 PM 05-18-14
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD Left a message on a Sunday.	
By Whom? Tim Duggan	Date and Hour 05-18-14	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*

N/A

OIL CONS. DIV DIST. 3
AUG 04 2016

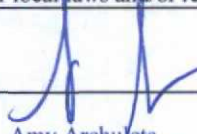

Describe Cause of Problem and Remedial Action Taken.*

Dug up the pipeline and repaired leak. Dug out contaminated soil and replaced with clean soil.

Describe Area Affected and Cleanup Action Taken.*

The affected area was dug out by and hauled off to Envirotech's landfarm. The soil was test and the results have been attached.

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: 		OIL CONSERVATION DIVISION	
Printed Name: Amy Archuleta		Approved by Environmental Specialist: 	
Title: Sr. Regulatory Supervisor		Approval Date: 8/14/2016	Expiration Date:
E-mail Address: aarchuleta@elmrige.net		Conditions of Approval:	
Date: 08-02-2016 Phone: 505-632-3476 x 201		NCS 1414235682	
		<input checked="" type="checkbox"/> Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

27



September 22, 2014

Project Number: 03056-0487 (0488)

Ms. Nichol Alley
Elm Ridge Exploration
20 Road 5060
Bloomfield, New Mexico 87413

Phone: (505) 320-1952

**RE: CONFIRMATION SAMPLING REPORT FOR THE CENTRAL BISTI UNIT #8 WELL
SITE LOCATED IN SECTION 5, TOWNSHIP 25 NORTH, RANGE 12 WEST, SAN
JUAN COUNTY, NEW MEXICO**

Dear Ms. Alley,

Enclosed please find the *Confirmation Sampling Report* detailing soil sampling activities from a pipeline release at the Central Bisti Unit #8 well site, located in Section 5, Township 25 North, Range 12 West, San Juan County, New Mexico.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,
ENVIROTECH, INC.

A handwritten signature in blue ink, appearing to read 'Isaac Garcia'.

Isaac Garcia
Environmental Field Technician
igarcia@envirotech-inc.com

Enclosures: Confirmation Sampling Report

Cc: Client File No. 03056



CONFIRMATION SAMPLING REPORT

**LOCATED AT:
CENTRAL BISTI UNIT #8
SECTION 5, TOWNSHIP 25N, RANGE 12W
SAN JUAN COUNTY, NEW MEXICO**

**PREPARED FOR:
ELM RIDGE EXPLORATION
MS. NICHOL ALLEY
20 ROAD 5060
BLOOMFIELD, NEW MEXICO 87413**

PROJECT NUMBER: 03056-0487 (0488)

MAY 2014

**ELM RIDGE EXPLORATION
CONFIRMATION SAMPLING REPORT
CENTRAL BISTI UNIT #8
SECTION 5, TOWNSHIP 25N, RANGE 12W
SAN JUAN COUNTY, NEW MEXICO**

TABLE OF CONTENTS

INTRODUCTION.....	1
ACTIVITIES PERFORMED.....	1
SUMMARY AND CONCLUSIONS	2
STATEMENT OF LIMITATIONS	2

Figures: Figure 1, Vicinity Map
 Figure 2, Site Map

Tables: Table 1, Summary of Analytical Results

Appendices: Appendix A, Analytical Results
 Appendix B, Bills of Lading

INTRODUCTION

Envirotech, Inc. of Farmington, New Mexico, was contracted by Elm Ridge Exploration to conduct confirmation sampling activities for a release from a broken pipeline at the Central Bisti Unit #8 well site, located in Section 5, Township 25 North, Range 12 West, San Juan County, New Mexico; see enclosed *Figure 1, Vicinity Map*. Activities included sample collection and analysis, documentation and reporting.

A 3rd party contractor performed spill cleanup activities prior to Envirotech's arrival on May 27, 2014. The excavation was backfilled prior to confirmation sampling being conducted. Per request of the New Mexico Oil Conservation Division (NMOCD), Envirotech, Inc. was called out to auger down to the depth of the former excavation, to collect soil samples.

ACTIVITIES PERFORMED

Envirotech, Inc. was contacted on May 27, 2014, with a request to perform confirmation sampling for a pipeline release at the Central Bisti Unit #8 well site. Because depth to groundwater was greater than 100 feet, nearest surface water was between 200 and 1000 feet, and the well site was not located within a well head protection area, the regulatory standards for the site were determined to be 1000 parts per million (ppm) total petroleum hydrocarbons (TPH) and 100 ppm organic vapors, pursuant to NMOCD Guidelines for Remediation of Leaks, Spills, and Releases.

The former excavation dimensions were estimated to be 10 feet by 20 feet by 5 feet below ground surface (BGS). Utilizing a hand auger, a total of three (3) grab samples were collected from a depth of approximately six (6) feet BGS. One (1) sample was collected from the source of the release, one (1) sample was collected from approximately ten (10) feet northwest of the source, and one (1) sample was collected from approximately ten (10) feet south of the source; see enclosed *Figure 2, Site Map* for locations.

All three (3) samples were placed into four (4)-ounce glass jars, capped head space free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for TPH using USEPA Method 8015 and for benzene and total BTEX using USEPA Method 8021. All three (3) samples returned results below regulatory standards for all constituents analyzed; see enclosed *Table 1, Summary of Analytical Results* and *Appendix A, Analytical Results*.

Approximately 62 cubic yards of contaminated soil from the previously mentioned spill cleanup activities were transported to Envirotech's NMOCD permitted soil remediation facility, Landfarm 2, located near Hilltop, New Mexico; see enclosed *Appendix B, Bills of Lading*. Additionally, approximately 62 cubic yards of clean-fill soil were transported from Landfarm 2, to the Central Bisti Unit #8, to be used as backfill material; see enclosed *Appendix B, Bills of Lading*.

SUMMARY AND CONCLUSIONS

Confirmation sampling activities were performed for a release from a broken pipeline at the Central Bisti Unit #8 well site, located in Section 5, Township 25 North, Range 12 West, San Juan County, New Mexico. Envirotech, Inc. recommends no further action in regards to this incident.

STATEMENT OF LIMITATIONS

Envirotech, Inc. has completed confirmation sampling activities for a release from a broken pipeline at the Central Bisti Unit #8 well site, located in Section 5, Township 25 North, Range 12 West, San Juan County, New Mexico. The work and services provided by Envirotech, Inc. were in accordance with the NMOCD standards. All observations and conclusions provided here are based on the information and current site conditions found at the site of the incident.

The undersigned has conducted this service at the above referenced site. This work has been conducted and reported in accordance with generally accepted professional practices in geology, engineering, environmental chemistry, and hydrogeology.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,

ENVIROTECH, INC.



Isaac Garcia
Environmental Field Technician
igarcia@envirotech-inc.com

Reviewed by:

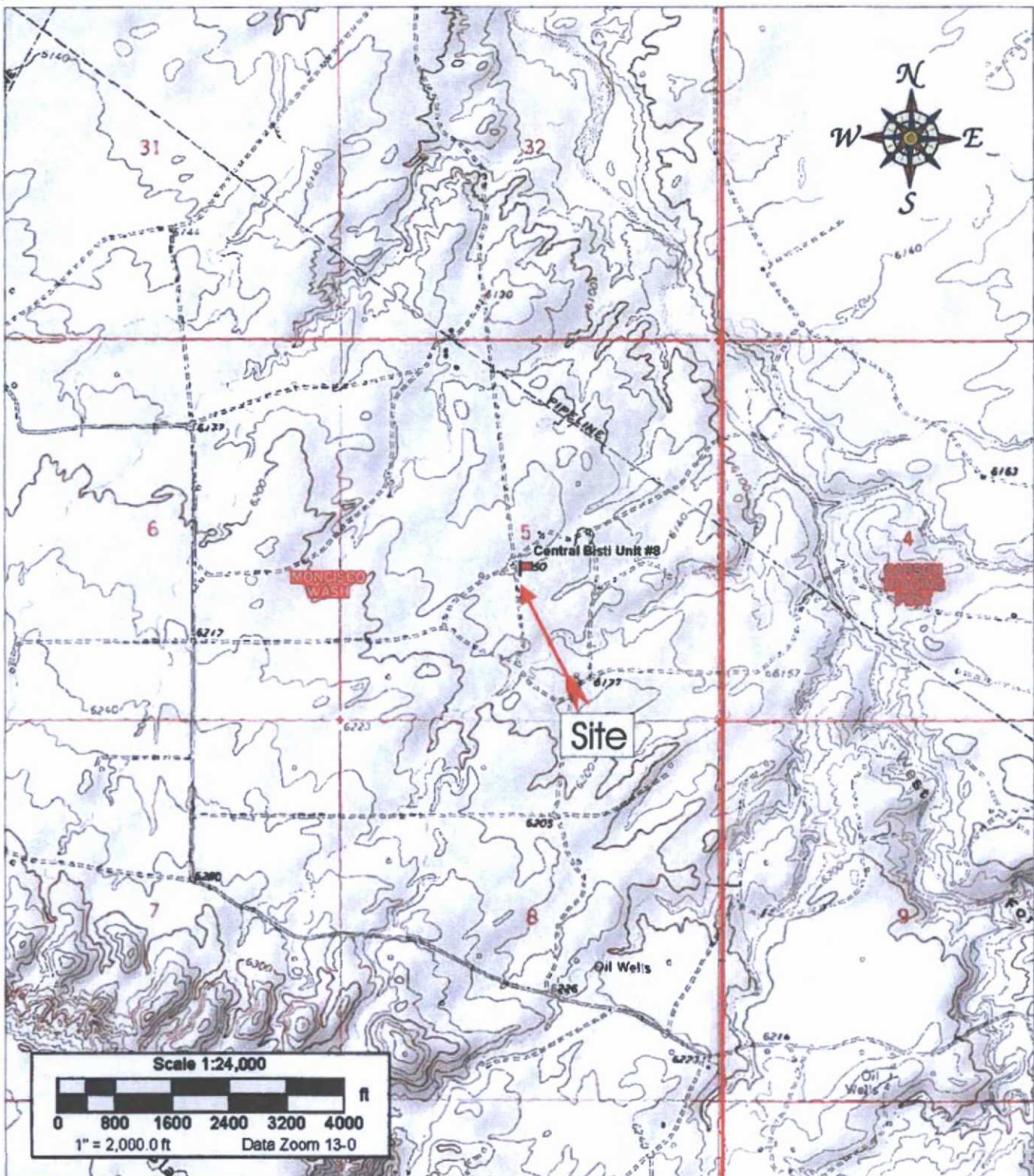


Greg Crabtree, PE
Environmental Manager
gcrabtree@envirotech-inc.com

FIGURES

Figure 1, Vicinity Map

Figure 2, Site Map



Source: 7.5 Minute, Moncisco Wash, New Mexico U.S.G.S. Topographic Quadrangle Map
 Scale: 1:24,000 1" = 2000'

Elm Ridge Exploration
 Central Bisti Unit #8
 Section 5, Township 25N, Range 12W
 San Juan County, New Mexico

envirotech
 ENVIRONMENTAL SCIENTISTS & ENGINEERS

5796 U.S. HIGHWAY 64
 Farmington, New Mexico 87401
 505.632.0615

Vicinity Map

Figure #1

PROJECT Number:03056-0487 Date Drawn: 6/19/14

DRAWN BY:
 Tiffany McIntosh

PROJECT MANAGER:
 Greg Crabtree



LEGEND



WELL HEAD



FORMER EXCAVATION



SOURCE OF RELEASE



NW OF SOURCE



SOUTH OF SOURCE

SITE MAP

Elm Ridge Exploration
Central Blst Unit #8
SECTION 5, TWP 25 NORTH, RANGE 12 WEST
SAN JUAN COUNTY, NEW MEXICO

SCALE: NTS	FIGURE NO. 2	REV
PROJECT NOD3056-0487		

REVISIONS

NO.	DATE	BY	DESCRIPTION
MAP DRWN	TLM	6/20/14	BASE DRWN TLM 2/25/13



5796 U.S. HIGHWAY 64, FARMINGTON, NM 87401 505-632-0615

TABLES

Table 1, Summary of Analytical Results

Table 1, Summary of Analytical Results
 Elm Ridge Exploration
 Central Bisti Unit #8
 Confirmation Sampling Report
 San Juan County, New Mexico
 Project Number 03056-0487 (0488)

Sample Description	Sample Number	Date	TPH USEPA Method 8015 (ppm)	Benzene USEPA Method 8021 (ppm)	BTEX USEPA Method 8021 (ppm)
NMOCD/RCRA Standards	NA	NA	1000	10	50
Source of Release	1	5/27/2014	77.2	ND	ND
NW of Source	2	5/27/2014	214.49	ND	ND
South of Source	3	5/27/2014	64.7	ND	ND

NS = Not Sampled

ND = Non-Detect at Stated Method's Detection Limit

* Values in **BOLD** above regulatory standards

APPENDIX A

Analytical Results



Analytical Report

Report Summary

Client: Elm Ridge Resources

Chain Of Custody Number: 17011

Samples Received: 5/27/2014 3:01:00PM

Job Number: 03056-0487

Work Order: P405058

Project Name/Location: Central Bisti Unit #8

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a horizontal line.

Date: 5/30/14

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



Elm Ridge Resources
PO Box 156
Bloomfield NM, 87413

Project Name: Central Bisti Unit #8
Project Number: 03056-0487
Project Manager: Isaac Garcia

Reported:
30-May-14 10:08

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Source of Release	P405058-01A	Solid	05/27/14	05/27/14	Glass Jar, 4 oz.
NW of Source	P405058-02A	Solid	05/27/14	05/27/14	Glass Jar, 4 oz.
South of Source	P405058-03A	Solid	05/27/14	05/27/14	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com
laboratory@envirotech-inc.com



Elm Ridge Resources
PO Box 156
Bloomfield NM, 87413

Project Name: Central Bisti Unit #8
Project Number: 03056-0487
Project Manager: Isaac Garcia

Reported:
30-May-14 10:08

Source of Release
P405058-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<u>Volatile Organics by EPA 8021</u>									
Benzene	ND	0.05	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8021B	
Surrogate: Bromochlorobenzene		101 %		80-120	1422002	05/28/14	05/28/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		96.1 %		80-120	1422002	05/28/14	05/28/14	EPA 8021B	
<u>Nonhalogenated Organics by 8015</u>									
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8015D	
Diesel Range Organics (C10-C28)	77.2	29.9	mg/kg	1	1422001	05/28/14	05/28/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401
Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865
Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com
laboratory@envirotech-inc.com



Elm Ridge Resources
PO Box 156
Bloomfield NM, 87413

Project Name: Central Bisti Unit #8
Project Number: 03056-0487
Project Manager: Isaac Garcia

Reported:
30-May-14 10:08

**NW of Source
P405058-02 (Solid)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8021B	
Surrogate: Bromochlorobenzene		107 %		80-120	1422002	05/28/14	05/28/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		101 %		80-120	1422002	05/28/14	05/28/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	8.49	5.00	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8015D	
Diesel Range Organics (C10-C28)	206	30.0	mg/kg	1	1422001	05/28/14	05/28/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com
laboratory@envirotech-inc.com



Elm Ridge Resources
PO Box 156
Bloomfield NM, 87413

Project Name: Central Bisti Unit #8
Project Number: 03056-0487
Project Manager: Isaac Garcia

Reported:
30-May-14 10:08

**South of Source
P405058-03 (Solid)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		94.3 %		80-120	1422002	05/28/14	05/28/14	EPA 8021B	
Surrogate: Bromochlorobenzene		99.2 %		80-120	1422002	05/28/14	05/28/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1422002	05/28/14	05/28/14	EPA 8015D	
Diesel Range Organics (C10-C28)	64.7	30.0	mg/kg	1	1422001	05/28/14	05/28/14	EPA 8015D	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com

laboratory@envirotech-inc.com



Elm Ridge Resources
PO Box 156
Bloomfield NM, 87413

Project Name: Central Bisti Unit #8
Project Number: 03056-0487
Project Manager: Isaac Garcia

Reported:
30-May-14 10:08

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1422002 - Purge and Trap EPA 5030A										
Blank (1422002-BLK1)			Prepared: 27-May-14 Analyzed: 28-May-14							
Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	51.0		ug/L	50.0		102	80-120			
Surrogate: Bromochlorobenzene	53.7		"	50.0		107	80-120			
Duplicate (1422002-DUP1)			Source: P405057-01	Prepared: 27-May-14 Analyzed: 28-May-14						
Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	"		ND				30	
Ethylbenzene	0.06	0.05	"		ND				30	
p,m-Xylene	0.48	0.05	"		0.38			22.6	30	
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	54.9		ug/L	50.0		110	80-120			
Surrogate: Bromochlorobenzene	73.4		"	50.0		147	80-120			S-02
Matrix Spike (1422002-MS1)			Source: P405057-01	Prepared: 27-May-14 Analyzed: 28-May-14						
Benzene	46.6		ug/L	50.0	ND	93.2	39-150			
Toluene	50.2		"	50.0	ND	100	46-148			
Ethylbenzene	56.4		"	50.0	0.56	112	32-160			
p,m-Xylene	114		"	100	7.66	106	46-148			
o-Xylene	56.9		"	50.0	0.38	113	46-148			
Surrogate: 1,3-Dichlorobenzene	54.5		"	50.0		109	80-120			
Surrogate: Bromochlorobenzene	80.7		"	50.0		161	80-120			S-02

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com

laboratory@envirotech-inc.com



Elm Ridge Resources
PO Box 156
Bloomfield NM, 87413

Project Name: Central Bisti Unit #8
Project Number: 03056-0487
Project Manager: Isaac Garcia

Reported:
30-May-14 10:08

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1422001 - DRO Extraction EPA 3550C										
Blank (1422001-BLK1)										
					Prepared: 27-May-14 Analyzed: 28-May-14					
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
Duplicate (1422001-DUP1)										
					Source: P405057-01 Prepared: 27-May-14 Analyzed: 28-May-14					
Diesel Range Organics (C10-C28)	1430	30.0	mg/kg		1650			13.9	30	
Matrix Spike (1422001-MS1)										
					Source: P405057-01 Prepared: 27-May-14 Analyzed: 28-May-14					
Diesel Range Organics (C10-C28)	1510		mg/L	250	1570	NR	75-125			SPK1

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com
laboratory@envirotech-inc.com



Elm Ridge Resources
PO Box 156
Bloomfield NM, 87413

Project Name: Central Bisti Unit #8
Project Number: 03056-0487
Project Manager: Isaac Garcia

Reported:
30-May-14 10:08

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 1422002 - Purge and Trap EPA 5030A									
Blank (1422002-BLK1)									
					Prepared: 27-May-14 Analyzed: 28-May-14				
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg						
Duplicate (1422002-DUP1)									
					Source: P405057-01 Prepared: 27-May-14 Analyzed: 28-May-14				
Gasoline Range Organics (C6-C10)	26.4	4.99	mg/kg		21.3		21.2	30	
Matrix Spike (1422002-MS1)									
					Source: P405057-01 Prepared: 27-May-14 Analyzed: 28-May-14				
Gasoline Range Organics (C6-C10)	0.97		mg/L	0.450	0.43	122	75-125		

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com
laboratory@envirotech-inc.com



Elm Ridge Resources
PO Box 156
Bloomfield NM, 87413

Project Name: Central Bisti Unit #8
Project Number: 03056-0487
Project Manager: Isaac Garcia

Reported:
30-May-14 10:08

Notes and Definitions

SPK1 The spike recovery for this QC sample is outside of control limits.

S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301


Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com
laboratory@envirotech-inc.com

CHAIN OF CUSTODY RECORD

17011

Client: <i>Tim Ridge Exploration</i>			Project Name / Location: <i>Central Bisti Unit #8</i>			ANALYSIS / PARAMETERS													
Email results to: <i>Isaac</i>			Sampler Name: <i>J. Garcia</i>			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	PCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.:			Client No.: <i>03056-0487</i>																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative														
					HNO ₃	HCl	Loe												
Source of release	5/27/14	11:54	P405058-01	1-40z			X	X	X									X	X
NW of source	5/27/14	1:04	P405058-02	1-40z			X	X	X									X	X
South of source	5/27/14	1:25	P405058-03	1-40z			X	X	X									X	X
Relinquished by: (Signature) <i>[Signature]</i>				Date	Time	Received by: (Signature) <i>[Signature]</i>				Date	Time								
Relinquished by: (Signature)				5/27/14	12:01	Received by: (Signature)				5/27/14	15:01								
Sample Matrix Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																			
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area.								17.9 15.4 17.8 (17.0)											

APPENDIX B

Bills of Lading



MANIFEST # 46834

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 5-21-14

JOB # 03256-0488

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Surra 0.12% H

NAME Robert Lewis

SIGNATURE

COMPANY CONTACT Tim Dugan

PHONE (505) 320-5612

DATE 21 May 14

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer

180 ISBN reproduction 578-120



MANIFEST # 46819

DATE 5-20-14 JOB # 03056-0488

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Surrex Oilfield Services

NAME _____

Darren Beyan

SIGNATURE

COMPANY CONTACT Jim Duggen

PHONE

(505) 320-1952

DATE _____

Signatures required prior to distribution of the legal document.

White - Company Records, Yellow - Billing, Pink - Customer



Bill of Lading

MANIFEST # 46835

DATE 5-21-14

JOB # 03056-0488

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

[illegible]

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Sierra 015261d

NAME Robert - Lewis

SIGNATURE 727

COMPANY CONTACT Tim Dupan

PHONE 505 320-5612

DATE 21 May 14

Signatures required prior to distribution of the legal document.

