

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☒ Final Report

Name of Company: Whiting Oil & Gas Inc	Contact: Leo Sutton
Address: 105 S. East Ave. Kermit, TX. 79745	Telephone No. (432)634-8257
Facility Name: Carlson A Fed # 2 Battery	Facility Type: Tank Battery

Surface Owner	Mineral Owner	Lease No. NM 0766
---------------	---------------	-------------------

API# 30.025.11764.00.00

LOCATION OF RELEASE

Unit Letter I	Section 25	Township 25S	Range 37E	Feet from the 2310'	North/South Line North	Feet from the 990'	East/West Line East	County Lea
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Latitude 32° 5' 59.208" N Longitude 103° 6' 38.664" W

NATURE OF RELEASE

Type of Release Oil & Water	Volume of Release 350 bbls	Volume Recovered 305 bbls
Source of Release Tank	Date and Hour of Occurrence 09/01/09 1:00 AM	Date and Hour of Discovery 09/01/09 9:45 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jeff Leking	
By Whom? Raymond Taylor	Date and Hour 09/01/09 5:00 PM	
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.*

WATER@55'

Describe Cause of Problem and Remedial Action Taken.*

Water transfer pump went out & lease shut down didn't work.

Shut in well, called trucks to pick up fluid, & called personnel to repair water transfer pump.

Describe Area Affected and Cleanup Action Taken.*

Area inside fenced berm contained most of the fluid. Some fluid ran out of berm down lease road to the southeast @ 0.2 miles, stayed mostly on road. Picked up fluid with vacuum trucks & put back into tanks.

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.

OIL CONSERVATION DIVISION

Signature: <i>Leo Sutton</i>	ENV. ENGINEER: Approved by District Supervisor: <i>Jeffrey Leking</i>	
Printed Name: Leo Sutton	Approval Date: 02/25/10	Expiration Date: -
Title: Assistant Operations Supervisor	Conditions of Approval:	
E-mail Address: leo.sutton@whiting.com	Attached <input type="checkbox"/>	
Date: 09/02/09	Phone: (432)634-8257	IRP-10-3-2442

* Attach Additional Sheets If Necessary

FGRL1006032464



Date: February 23, 2010

Client: Whiting Oil and Gas Corporation

Subject: Remediation of Hydrocarbon and Produced Water Impacted Soil
Carlson "A" Fed #2 Tank Battery (#NM 0766)
Lea County, New Mexico

On September 1, 2009, Whiting Oil & Gas Inc. (Whiting) found a release of crude oil and produced water at the Carlson A Fed #2 Tank Battery in Lea County, New Mexico. The release was determined to be approximately 350 barrels of crude oil and produced water within the firewall of the tank battery with only a small area outside the firewall but still on the location pad. Approximately 305 barrels of fluids were recovered. The release was reported to the New Mexico Oil Conservation Division (OCD) on September 1, 2009 by telephone and then an OCD form C-141 was completed and submitted to the OCD district office on September 2, 2009.

On September 16, 2009, Etech Environmental & Safety Solutions, Inc. (Etech) completed the initial assessment by conducting a site inspection and initiating contact with the OCD for remediation of the site. After discussions with the OCD, remediation of the site would be accomplished using the following contaminant cleanup levels:

Benzene = 10 ppm
BTEX = 50 ppm
TPH = 1000 ppm
Chlorides = 500 ppm

In October 2009, Etech completed a site delineation to determine the best approach for remediation of the site based on the requirements outlined by the OCD. During this delineation samples were collected from five (5) locations within the tank battery firewall. It was also established during this delineation that the depth to bedrock ranged between 1.5 feet and 2 feet. Total petroleum hydrocarbon (TPH) results from the delineation sampling are presented in the following table:

<i>Delineation Sampling Results – TPH (mg/kg) October 12, 2009</i>				
Sample ID	Sample Depth	TPH - GRO	TPH – DRO	Total TPH
Sample 1	1.5 feet	509	13,784	14,293
Sample 2	2 feet	<500	11,712	11,712
Sample 3	1 foot	<500	13,776	13,776
Sample 4	1.5 feet	1,979	28,512	30,491
Sample 5	1 foot	968	23,872	24,840

Based on the delineation TPH analytical results and the shallow depth to bedrock, it was determined the best method for remediation of the site would be to excavate the impacted soil and transport off-site for disposal. The excavation would then be backfilled with clean soil transported to the site.

On October 20, 2009, excavation of the impacted soil was started. All impacted soil was excavated to the depth of the bedrock within the firewall of the tank battery. The impacted soil was stockpiled on plastic on the tank battery location pad until all impacted soil had been excavated.

The impacted soil was then loaded and transported to Sundance Services, Inc. in Eunice, New Mexico for final disposal. Samples were collected from the bottom of the excavation to document the completion of the remediation. Results of this initial sampling are summarized in the following tables:

Remediation Sampling Results – TPH (mg/kg) December 28, 2009				
Sample ID	Sample Depth	TPH - GRO	TPH – DRO	Total TPH
Bottom NE	1.5 feet	<10	1,120	1,120
Bottom SE	2 feet	<10	231	231
Bottom SW	1 foot	<10	65.8	65.8
Bottom NW	1.5 feet	<10	37.8	37.8

Remediation Sampling Results – BTEX & Chlorides (mg/kg)					
Sample ID	Benzene	Toluene	Ethylbenzene	Xylenes	Chlorides
Bottom NE	<0.050	<0.050	<0.050	<0.050	176
Bottom SE	<0.050	<0.050	<0.050	<0.050	432
Bottom SW	<0.050	<0.050	<0.050	<0.050	32
Bottom NW	<0.050	<0.050	<0.050	<0.050	224

After a review of the remediation sampling analytical results, one (1) sample was noted to be above the established cleanup level for TPH. This sample was the north east bottom sample and an additional 3 inches was scrapped from the rock in this area of the firewall. Another sample was collected from the area and the results are summarized in the following table:

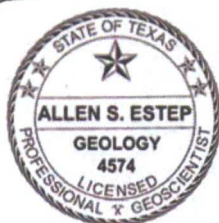
Secondary Remediation Sampling Results – TPH (mg/kg)				
Sample ID	Sample Depth	TPH - GRO	TPH – DRO	Total TPH
Bottom NE	1.75 feet	<10	<10	<10

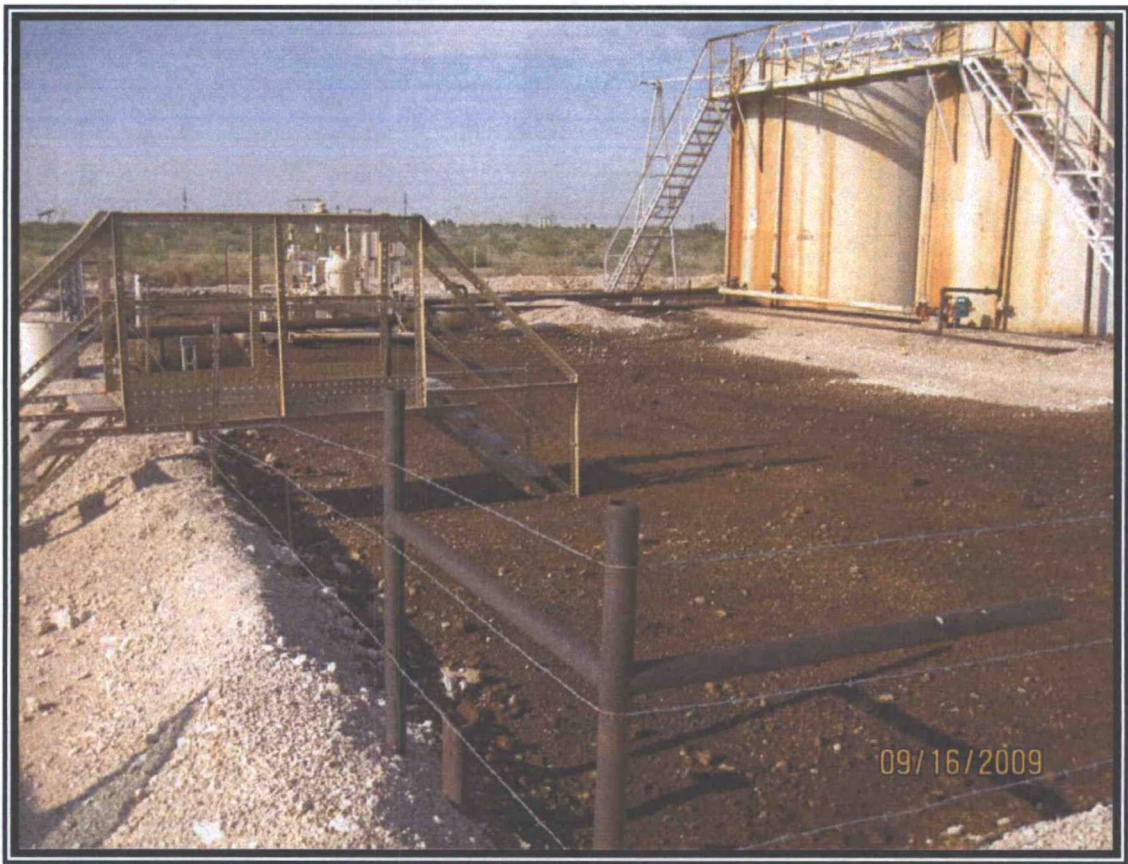
This final sample indicated the release site had been remediated to the cleanup levels established by the OCD. Removal of all impacted soil and backfilling of the excavation with clean fill was completed by December 28, 2009. A total of 366 tons of impacted soil was transported to Sundance for disposal.

Prepared By:
Etech Environmental & Safety Solutions, Inc.

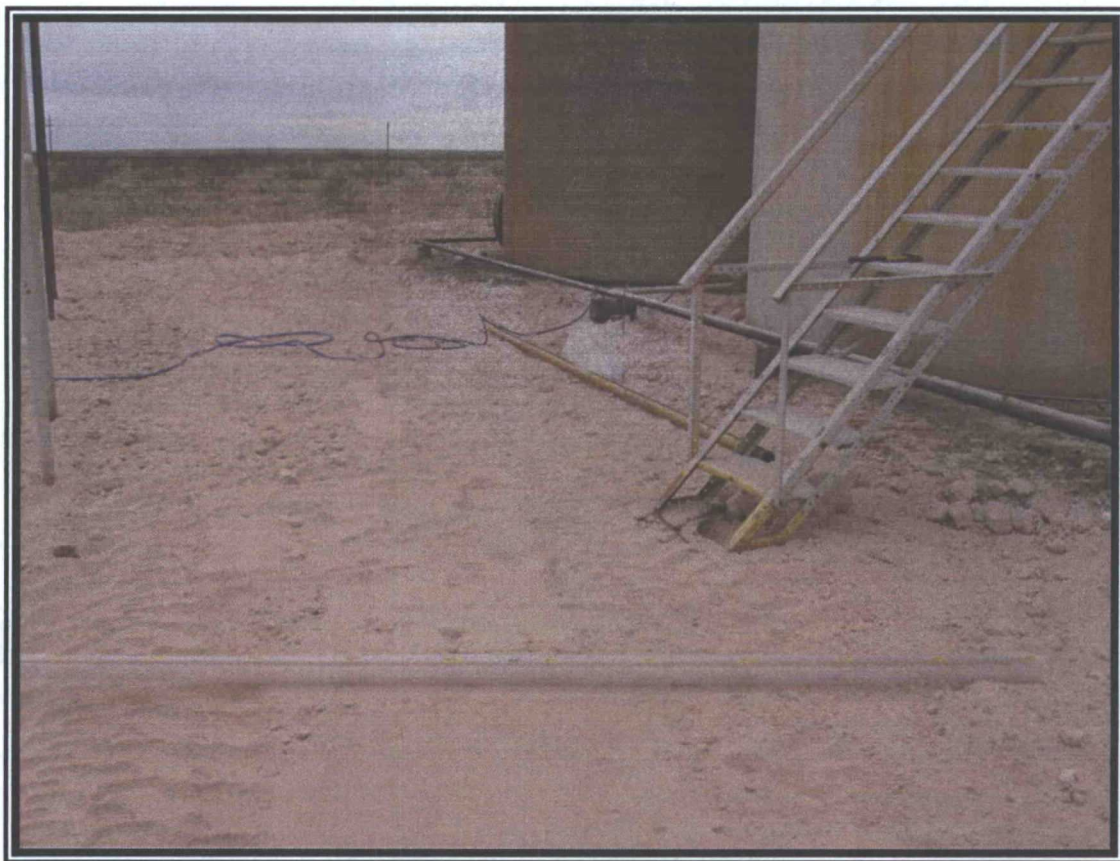
Shane Estep

Shane Estep, P.G.









Extended Diesel Range Organic Hydrocarbons Analysis Report

site LAB® EDRO C10-C40 Aromatics in Soil, Sediment & Water

Client: Whiting Petroleum
Address:

Project Name: Carlson A #2

Job #: 052-1762-001

File #:

Matrix: Soil

Phone:

Date Collected: 10/13/2009

Contact:

Date Received: 10/14/2009

Operator: Tim McMinn

Date Extracted: 10/14/2009

Signature:

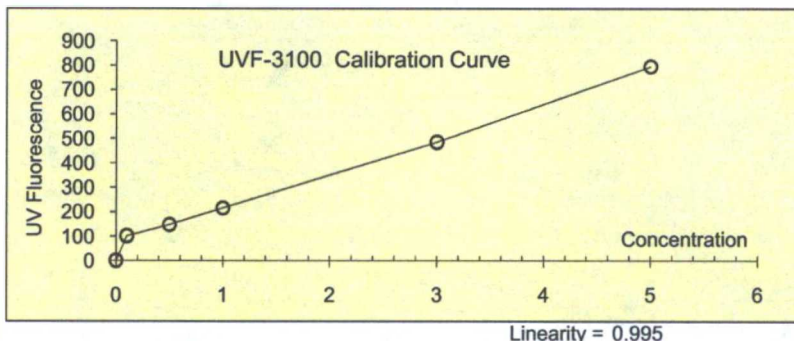
Date Analyzed: 10/14/2009

Date Reported: 10/14/2009

Date: 10/14/09 Time: 1127

Standard Concentration	UVF-3100 Calibration Raw Fluorescence
0	0
0.1	101.5
0.5	147.2
1.0	215.3
3.0	485.0
5.0	794.7

site LAB
Calibration Product #: CAL-042
Units (ppm or mg/Kg): ppm



UVF Run#:	Sample ID & Description	UVF Raw Fluorescence	Test Sample Concentration (ppm)	Dilution Factor	Test Result:
1	Sample 1- 1.5' deep	554.20	3.446	4,000	13,784.0 ppm
2	Sample 2- 2' deep	475.30	2.928	4,000	11,712.0 ppm
3	Sample 3- 1' deep	553.80	3.444	4,000	13,776.0 ppm
4	Sample 4- 1.5' deep	572.40	3.564	8,000	28,512.0 ppm
5	Sample 5- 1' deep	482.90	2.984	8,000	23,872.0 ppm
6		1.00	1	1	1.0 ppm
7		1.00	1	1	1.0 ppm
8		1.00	1	1	1.0 ppm
9		1.00	1	1	1.0 ppm
10		1.00	1	1	1.0 ppm
11		1.00	1	1	1.0 ppm
12		1.00	1	1	1.0 ppm
13		1.00	1	1	1.0 ppm
14		1.00	1	1	1.0 ppm
15		1.00	1	1	1.0 ppm
16		1.00	1	1	1.0 ppm
17		1.00	1	1	1.0 ppm
18		1.00	1	1	1.0 ppm
19		1.00	1	1	1.0 ppm
20		1.00	1	1	1.0 ppm

Comments: Results reported in wet weight.

Gasoline Range Organic Hydrocarbons Analysis Report

site LAB® GRO C6-C10 BTEX Aromatics in Soil, Sediment & Water

Client: Whiting Petroleum

Address:

Phone:

Contact:

Operator: Tim McMinn

Signature:

Date: 10/14/09 Time: 1038

Project Name: Carlson A #2

Job #: 052-1762-001

File #:

Matrix: Soil

Date Collected: 10/13/2009

Date Received: 10/14/2009

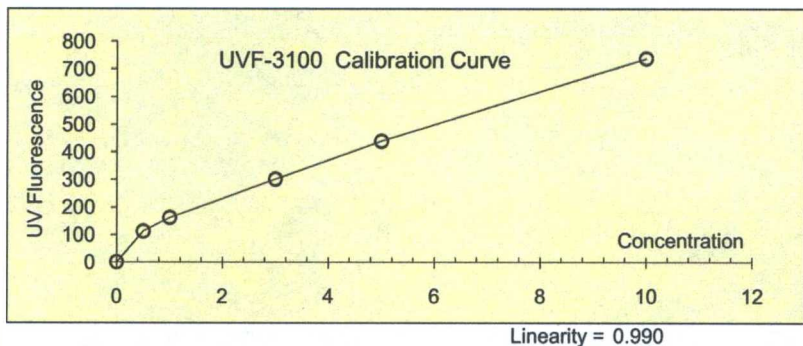
Date Extracted: 10/14/2009

Date Analyzed: 10/14/2009

Date Reported: 10/14/2009

Standard Concentration	UVF-3100 Calibration Raw Fluorescence
0	0
0.5	111.8
1.0	161.4
3.0	301.4
5.0	438.9
10.0	737.6

site LAB
 Calibration Product #: CAL-025
 Units (ppm or mg/Kg): ppm



UVF Run#:	Sample ID & Description	UVF Raw Fluorescence	Test Sample Concentration (ppm)	Dilution Factor	Test Result:
1	Sample 1- 1.5' deep	112.80	0.509	1,000	509.0 ppm
2	Sample 2- 2' deep	97.71	0.437	1,000	Concentration... Too Low (ND)
3	Sample 3- 1' deep	104.20	0.466	1,000	Concentration... Too Low (ND)
4	Sample 4- 1.5' deep	229.90	1.979	1,000	1,979.0 ppm
5	Sample 5- 1' deep	158.20	0.968	1,000	968.0 ppm
6		1.00	1	1	1.0 ppm
7		1.00	1	1	1.0 ppm
8		1.00	1	1	1.0 ppm
9		1.00	1	1	1.0 ppm
10		1.00	1	1	1.0 ppm
11		1.00	1	1	1.0 ppm
12		1.00	1	1	1.0 ppm
13		1.00	1	1	1.0 ppm
14		1.00	1	1	1.0 ppm
15		1.00	1	1	1.0 ppm
16		1.00	1	1	1.0 ppm
17		1.00	1	1	1.0 ppm
18		1.00	1	1	1.0 ppm
19		1.00	1	1	1.0 ppm
20		1.00	1	1	1.0 ppm

Comments: Results reported in wet weight.



ARDINAL LABORATORIES

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

January 8, 2010

Shane Estep
ETECH Environmental & Safety Solutions, Inc.
P.O. Box 8469
Midland, TX 79708

Re: Carlson A Fed #2 (052-1762-001)

Enclosed are the results of analyses for sample number H18991, received by the laboratory on 01/06/10 at 8:15 am.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director



ARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR
ETECH ENVIRONMENTAL & SAFETY SOLUTION
ATTN: SHANE ESTEP
P.O. BOX 8469
MIDLAND, TX 79708
FAX TO: (432) 563-2213

Receiving Date: 01/06/10
Reporting Date: 01/08/10
Project Number: 052-1762-001
Project Name: CARLSON A FED #2
Project Location: JAL, NM

Sampling Date: 12/28/09
Sample Type: SOIL
Sample Condition: COOL & INTACT @ -2.5°C
Sample Received By: JH
Analyzed By: AB/ZL/HM

LAB NO. SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	CI* (mg/kg)
ANALYSIS DATE:	01/07/10	01/07/10	01/06/10	01/06/10	01/06/10	01/06/10	01/07/10
H18991-1 BOTTOM NE	<10.0	1,120	<0.050	<0.050	<0.050	<0.300	176
H18991-2 BOTTOM SE	<10.0	231	<0.050	<0.050	<0.050	<0.300	432
H18991-3 BOTTOM SW	<10.0	65.8	<0.050	<0.050	<0.050	<0.300	32
H18991-4 BOTTOM NW	<10.0	37.8	<0.050	<0.050	<0.050	<0.300	224
Quality Control	450	443	0.047	0.046	0.048	0.138	500
True Value QC	500	500	0.050	0.050	0.050	0.150	500
% Recovery	90.0	88.6	94.0	92.0	96.0	92.0	100
Relative Percent Difference	5.1	10.3	2.1	2.2	2.1	2.7	<0.1

METHODS: TPH GRO & DRO - EPA SW-846 8015 M; BTEX - SW-846 8021B; CI-: Std. Methods 4500-CI-B

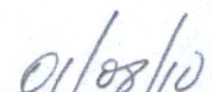
*Analysis performed on a 1:4 w:v aqueous extract.

Not accredited for Chloride and GRO/DRO.

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES. Reported on wet weight.


Lab Director

H18991 TBCL ETECH


Date

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 client for 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 thirty (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. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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Page ____ of ____

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† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

#26-2.5c



ARDINAL LABORATORIES

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

February 5, 2010

Shane Estep
ETECH Environmental & Safety Solutions, Inc.
P.O. Box 8469
Midland, TX 79708

Re: Carlson A #2. (052-1762-001)

Enclosed are the results of analyses for sample number H19213, received by the laboratory on 02/03/10 at 10:30 am.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director

This report conforms with NELAP requirements.



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

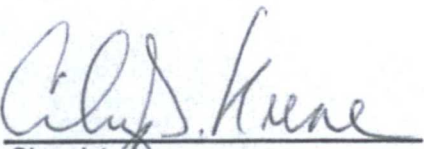
ANALYTICAL RESULTS FOR
ETECH ENVIRONMENTAL & SAFETY SOLUTION
ATTN: SHANE ESTEP
P.O. BOX 8469
MIDLAND, TX 79708
FAX TO: (432) 563-2213

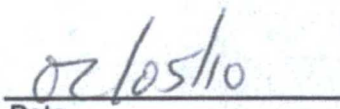
Receiving Date: 02/03/10
Reporting Date: 02/05/10
Project Owner: WHITING (052-1762-001)
Project Name: CARLSON A #2
Project Location: JAL, NM

Sampling Date: 02/02/10
Sample Type: SOIL
Sample Condition: INTACT @ 7°C
Sample Received By: JH
Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO (C ₆ -C ₁₀) (mg/kg)	DRO (>C ₁₀ -C ₂₈) (mg/kg)
		02/04/10	02/04/10
H19213-1	BOTTOM NE	<10.0	<10.0
Quality Control		528	559
True Value QC		500	500
% Recovery		106	112
Relative Percent Difference		9.5	3.7

METHOD: SW-846 8015 M. Reported on wet weight.


Chemist


Date

H19213 TPH8015 ETECH

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 client for 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 thirty (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. Result relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

101 East Marland, Hobbs, NM 88240
(505) 393-2326 Fax (505) 393-2477

[illegible]

† Cardinal cannot accept verbal changes. Please fax written changes to 575-398-2476.

92#

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

RECEIVED

FEB 21 2011

HOBBSDCD

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

X Initial Report X Final Report

Name of Company Transwestern Pipeline Company	Contact Larry Campbell	
Address: 213 S. Roosevelt road U Portales, NM 88130	Telephone No.: (575) 625-8022	
Facility Name: P-1 Compressor Station	Facility Type: Natural Gas Compression	
Surface Owner	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section 27	Township T1S	Range R-33E		North/South Line	Feet from the	East/West Line	County Roosevelt
-------------	---------------	-----------------	----------------	--	------------------	---------------	----------------	------------------

Latitude N34 11 14.0 Longitude W103 28 30.8

NATURE OF RELEASE

Type of Release: Natural Gas	Volume of Release: 550 MCF	Volume Recovered: 0 MCF
Source of Release: Natural Gas	Date and Hour of Occurrence: 02/16/2011 12:00 AM	Date and Hour of Discovery 02/16/2011 6:00 AM
Was Immediate Notice Given? X Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD Hobbs, NM	
By Whom? Larry Campbell	Date and Hour: 02/17/2011 9:00 AM	
Was a Watercourse Reached? <input type="checkbox"/> Yes N No X	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Had an mooney regulator failure. Main regulator and pilot regulator was repaired.

Describe Area Affected and Cleanup Action Taken.*

No area was affected.

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.

OIL CONSERVATION DIVISION

Signature: 

Printed Name: Glenn Hawthorne

Title: Division Control Tech

E-mail Address: Glenn.Hawthorne@energytransfer.com

Date: 02/17/2011

Phone: 575-625-8022

Approved by District Supervisor:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

* Attach Additional Sheets If Necessary