



November 18, 2014

Mr. John E. Axelson, P.G.
East Environmental Supervisor
Colorado Oil and Gas Conservation Commission
1120 Lincoln Street, Suite 801
Denver, Colorado 80203

**Re: Form 27 Supplemental Report/No Further Action Status Request
Wierman #5 – Wellhead and Pump Jack Excavation
API# 05-001-08786
NESE 17-T1S-R67W**

Dear Mr. Axelson:

On behalf of Energy Search Company (Energy Search), LT Environmental, Inc. (LTE) is submitting this Form 27 Supplemental Report to update the Form 27, submitted on October 21, 2014, for the Wierman #5 wellhead and pump jack location. We are requesting a No Further Action (NFA) status for this site.

In response to a Notice of Alleged Violation (NOAV), LTE was contracted by Energy Search to provide environmental oversight of excavation and sampling activities at the subject site. The oversight activities included collection of confirmation soil samples from the base of the pump jack and wellhead excavations, documentation of field activities, and laboratory analytical results review. A topographic map is provided as Figure 1.

Pump Jack Excavation

On October 3, 2014, following excavation of the visually impacted surface soil, an LTE representative collected one representative soil sample (B01@2') from the base of the pump jack excavation. The soil sample was submitted for Total Petroleum Hydrocarbon (TPH) analysis by United States Environmental Protection Agency (EPA) Methods 8015M and 8260B and benzene, toluene, ethylbenzene, and total xylenes (BTEX) analysis by EPA Method 8260B. The laboratory analytical results indicated that the TPH concentration in soil sample (B01@2') exceeded the Colorado Oil and Gas Conservation Commission (COGCC) allowable level for TPH.

On October 15, 2014, following removal of additional impacted soil, one representative soil sample (B02@2.5') was collected from the pump jack excavation base. The soil sample was submitted for laboratory analysis of TPH and BTEX by EPA Methods 8015C and 8260C. TPH and BTEX concentrations were below COGCC allowable levels and laboratory reporting limits in soil sample B02@2.5'.



Wellhead Excavation

On October 24, 2014, following excavation of the visually impacted surface soil, an LTE representative collected one representative soil sample (B03@1.5') from the base of the well head excavation. The soil sample was submitted for TPH analysis by EPA Methods 8015C and 8260C and BTEX analysis by EPA Method 8260C. The laboratory analytical results indicated that TPH and BTEX concentrations were below COGCC allowable levels in soil sample B03@1.5'.

The final excavation at the pump jack measured approximately 13 feet north-south by 9 feet east-west to an approximate depth of 2.5 feet below ground surface. The final excavation at the wellhead measured 9 feet north-south by 13 feet east-west to an approximate depth of 1.5 feet below ground surface. The impacted soil was removed from the site and transported to the Buffalo Ridge Landfill in Keenesburg, Colorado for disposal. The disposal documentation for the initial pump jack excavation was provided with the Form 27 submittal. The disposal documentation for the additional excavation conducted after October 3, 2014, is attached. The general site layout, final excavation dimensions, and soil sample locations are shown on the Site Map provided as Figure 2. The soil sample analytical results are summarized in Table 1. The laboratory analytical reports are attached.

The confirmation soil sample analytical results confirm that TPH and BTEX concentrations are below COGCC allowable levels at the extent of the pump jack and wellhead excavations. Based on the remedial actions undertaken and the soil analytical results, LTE is requesting a NFA status for this site on behalf of Energy Search.

Please call us at (303) 433-9788 if you have any questions regarding this letter report or require additional information.

Sincerely,
LT ENVIRONMENTAL, INC.

Reviewed by

A handwritten signature in blue ink that reads 'Kelly L. Kenyon'.

Kelly L. Kenyon
Project Environmental Scientist

A handwritten signature in black ink that reads 'Justin Solomon'.

Justin Solomon
Senior Environmental Scientist

Attachments

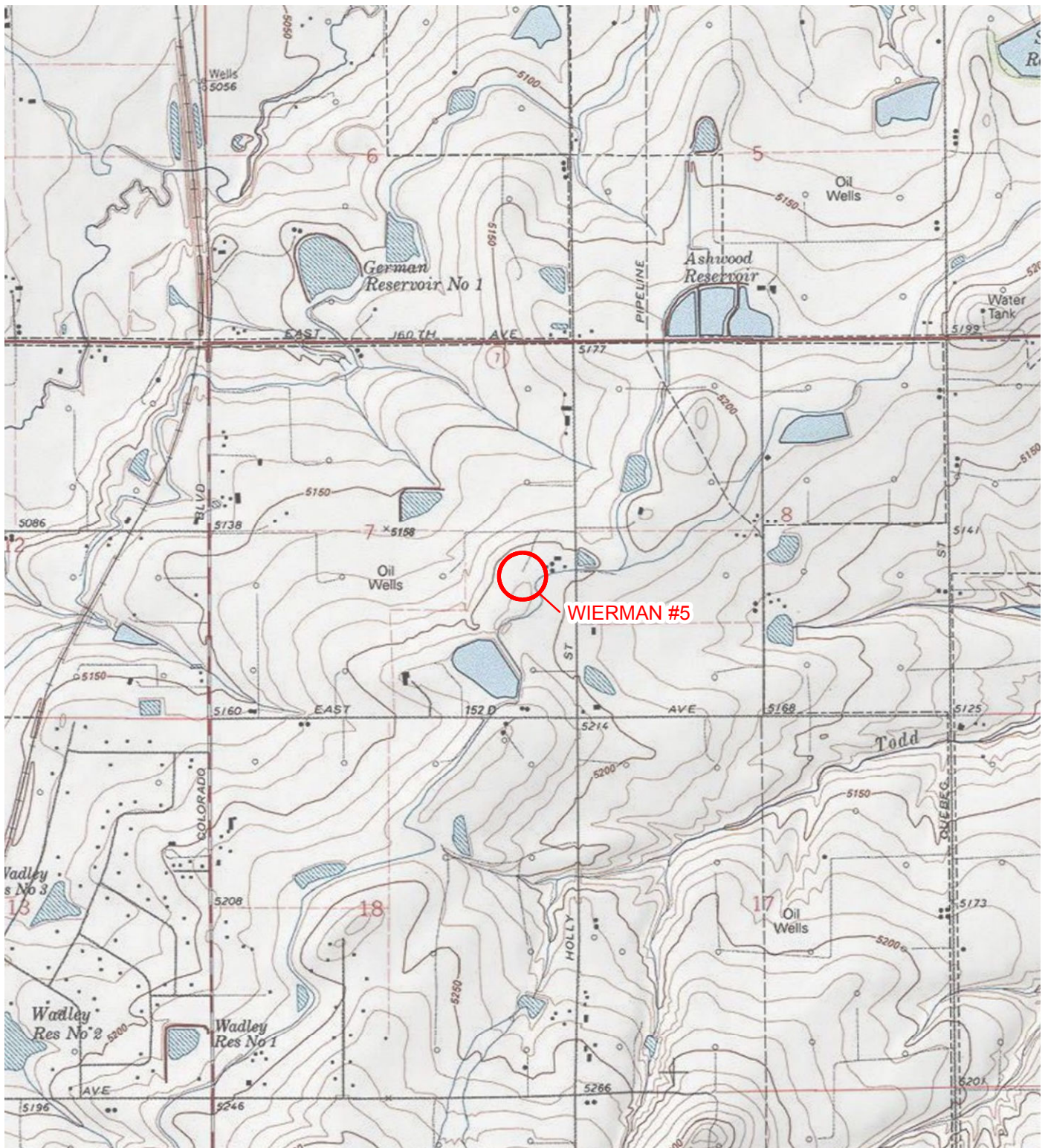


IMAGE COURTESY OF ESRI/USGS

LEGEND

 SITE LOCATION

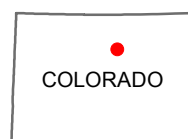
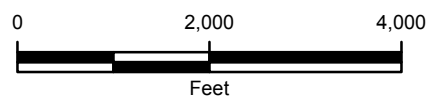


FIGURE 1
SITE LOCATION MAP
WIERMAN #5
NESE SEC 7-T1S-R67W
ADAMS COUNTY, COLORADO
ENERGY SEARCH COMPANY



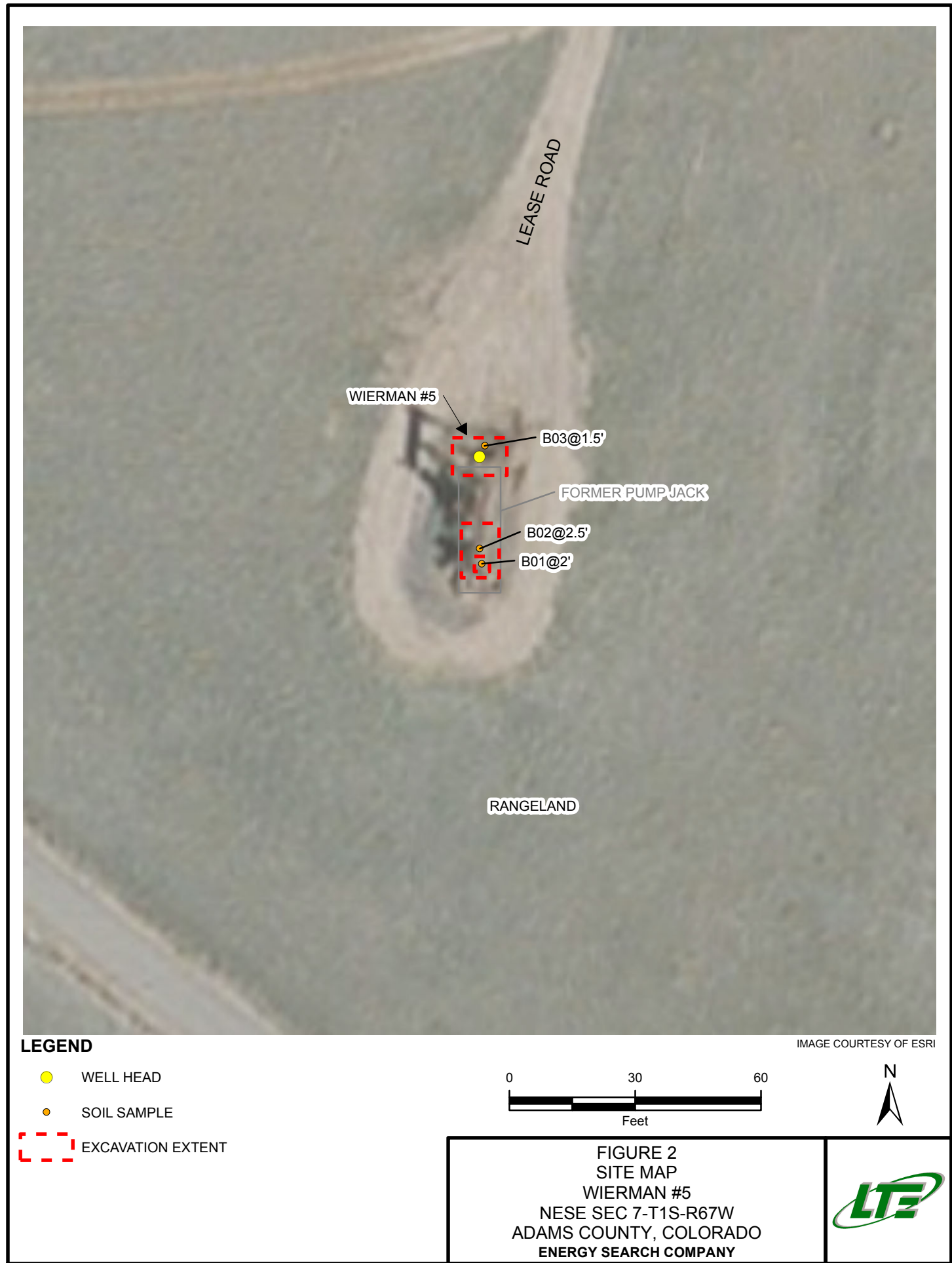


TABLE 1
SOIL SAMPLE ANALYTICAL DATA
WIERMAN #5
ENERGY SEARCH COMPANY

SAMPLE ID	SAMPLE DATE	DEPTH (feet bgs)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	XYLENES (Total) (mg/kg)	TPH-GRO (mg/kg)	TPH DRO+ORO (mg/kg)
B01@2'	10/3/2014	2	<0.0020	<0.0050	<0.0050	<0.0050	<0.50	1,300
B02@2.5'	10/15/2014	2.5	<0.0020	<0.0020	<0.0020	<0.0020	<50	<250
B03@1.5'	10/24/2014	1.5	<0.002	0.002	0.004	0.02	<50	<250
COGCC Allowable Level			0.17	85	100	175	500	

Notes:

bgs - below ground surface

mg/kg - milligrams per kilogram

TPH - Total Petroleum Hydrocarbons

GRO - Gasoline Range Organics

TEPH - Total Extractable Petroleum Hydrocarbons

DRO - Diesel Range Organics

ORO - Oil Range Organics

< - less than laboratory reporting limit

COGCC - Colorado Oil and Gas Conservation Commission

Results noted in bold exceed COGCC allowable levels.



Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

October 05, 2014

John Cocroft
LT Environmental, Inc.
4600 West 60th Avenue
Arvada, CO 80003
RE: ES - Wierman #5

Enclosed are the results of analyses for samples received by Summit Scientific on 10/03/14 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury
President

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: ES - Wierman #5

Project Number: [none]
Project Manager: John Cocroft

Reported:
10/05/14 19:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B01@2'	1410025-01	Soil	10/03/14 12:00	10/03/14 17:00

Summit Scientific 1410025

741 Corporate Circle Suite I ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933 Fax

Page 11 of 11

Client: LIE

Address: 4600 W 60th Ave

City/State/Zip: ALVADA

Phone: 720-456-0169 Fax:

Sampler Name: Chad Telly

Project Manager: John Carroll

E-Mail: Jcassett@17m.com

Project Name: Wierman No. 5

Project Number:

[illegible]

www.s2scientific.com

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: ES - Wierman #5

Project Number: [none]
Project Manager: John Cocroft

Reported:
10/05/14 19:05

B01@2'
1410025-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **10/03/14 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (TEPH-DRO)	920	50	mg/kg	1	1410040	10/03/14	10/04/14	8015M	
C28-C36 (TEPH-ORO)	380	50	"	"	"	"	"	"	

Date Sampled: **10/03/14 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		112 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/03/14 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1410041	10/03/14	10/03/14	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **10/03/14 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		121 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		96.7 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.6 %	21-167		"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: ES - Wierman #5

Project Number: [none]
Project Manager: John Cocroft

Reported:
10/05/14 19:05

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 1410040 - EPA 3550A

Blank (1410040-BLK1)

Prepared & Analyzed: 10/03/14

C10-C28 (TEPH-DRO)	ND	50	mg/kg
C28-C36 (TEPH-ORO)	ND	50	"

LCS (1410040-BS1)

Prepared & Analyzed: 10/03/14

C10-C28 (TEPH-DRO)	589	50	mg/kg	501	118	73-134
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Matrix Spike (1410040-MS1)

Source: 1410015-01

Prepared & Analyzed: 10/03/14

C10-C28 (TEPH-DRO)	609	50	mg/kg	470	59.4	117	50-148
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Matrix Spike Dup (1410040-MSD1)

Source: 1410015-01

Prepared & Analyzed: 10/03/14

C10-C28 (TEPH-DRO)	578	50	mg/kg	484	59.4	107	50-148	5.21	13
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Summit Scientific

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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: ES - Wierman #5

Project Number: [none]
Project Manager: John Cocroft

Reported:
10/05/14 19:05

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 1410041 - EPA 5030 Soil MS

Blank (1410041-BLK1)

Prepared & Analyzed: 10/03/14

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0433		"	0.0397		109	23-173			
Surrogate: Toluene-d8	0.0397		"	0.0400		99.2	20-170			
Surrogate: 4-Bromofluorobenzene	0.0400		"	0.0400		100	21-167			

LCS (1410041-BS1)

Prepared & Analyzed: 10/03/14

Benzene	0.0950	0.0020	mg/kg	0.100		95.0	58-130			
Toluene	0.0958	0.0050	"	0.100		95.8	61-134			
Ethylbenzene	0.0968	0.0050	"	0.0992		97.6	74-139			
m,p-Xylene	0.198	0.010	"	0.200		99.3	73-137			
o-Xylene	0.0988	0.0050	"	0.0984		100	73-141			
Surrogate: 1,2-Dichloroethane-d4	0.0442		"	0.0397		111	23-173			
Surrogate: Toluene-d8	0.0389		"	0.0400		97.4	20-170			
Surrogate: 4-Bromofluorobenzene	0.0396		"	0.0400		99.1	21-167			

Matrix Spike (1410041-MS1)

Source: 1410015-01

Prepared & Analyzed: 10/03/14

Benzene	0.0694	0.0020	mg/kg	0.0963	0.0269	44.1	30-131			
Toluene	0.205	0.0050	"	0.0963	0.597	NR	30-134			QM-07
Ethylbenzene	0.0762	0.0050	"	0.0956	0.0291	49.3	22-153			
m,p-Xylene	0.358	0.010	"	0.192	0.468	NR	10-159			QM-07
o-Xylene	0.122	0.0050	"	0.0948	0.0760	48.4	31-151			
Surrogate: 1,2-Dichloroethane-d4	0.0431		"	0.0382		113	23-173			
Surrogate: Toluene-d8	0.0429		"	0.0385		111	20-170			
Surrogate: 4-Bromofluorobenzene	0.0405		"	0.0385		105	21-167			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: ES - Wierman #5

Project Number: [none]
Project Manager: John Cocroft

Reported:
10/05/14 19:05

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 1410041 - EPA 5030 Soil MS

Matrix Spike Dup (1410041-MSD1)	Source: 1410015-01			Prepared & Analyzed: 10/03/14						
Benzene	0.0768	0.0020	mg/kg	0.0994	0.0269	50.1	30-131	10.0	34	
Toluene	0.292	0.0050	"	0.0994	0.597	NR	30-134	35.1	30	QM-07
Ethylbenzene	0.0867	0.0050	"	0.0986	0.0291	58.5	22-153	13.0	24	
m,p-Xylene	0.364	0.010	"	0.198	0.468	NR	10-159	1.70	68	QM-07
o-Xylene	0.122	0.0050	"	0.0978	0.0760	47.4	31-151	0.392	38	
Surrogate: 1,2-Dichloroethane-d4	0.0449		"	0.0395		114	23-173			
Surrogate: Toluene-d8	0.0551		"	0.0398		139	20-170			
Surrogate: 4-Bromofluorobenzene	0.0405		"	0.0398		102	21-167			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO, 80003

Project: ES - Wierman #5

Project Number: [none]
Project Manager: John Cocroft

Reported:
10/05/14 19:05

Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.

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

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



October 16, 2014

LT Environmental, Inc.

Kelly Kenyon

4600 West 60th Avenue

Arvada

CO 80003

Project Name - Wierman No. 5

Project Number - 026914001

Attached are your analytical results for Wierman No. 5 received by Origins Laboratory, Inc. October 15, 2014. This project is associated with Origins project number X410154-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Kelly Kenyon

Project Number: 026914001

Project: Wierman No. 5

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B02 @ 2.5'	X410154-01	Soil	October 15, 2014 14:25	10/15/2014 17:10

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Ross S Hutto For Noelle Doyle Mathis, President

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Kelly Kenyon
Project Number: 026914001
Project: Wierman No. 5

www.originslaboratory.com





X10154

ORIGINS
LABORATORY, INC

page 1 of 1

Project Manager: Kelly Kenyon
Project Name: Wierman No. 5
Project Number: 026914001
Samples Collected By: Kris Shepherd

Client: LTE
Address: 4600 W 60th Ave Arvada CO
Telephone Number: 303-433-9788
Email Address: Kkenyon@lteinc.com

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative					Matrix				Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #	Other			
B02 @ 25'	10/15/14	14 25	1	X					X			Brx	TP#	1
														2
														3
														4
														5
														6
														7
														8
														9
														10
Requisitioned By: 	Date: 10/15/14	Time: 16 10							Received By: 	Date: 10/15/14	Time: 17 10	Turnaround Time: Same Day <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>		
Requisitioned By: 	Date: 10/15/14	Time: 17 10							Received By: 	Date: 10/15/14	Time: 17 10			

Date Results Needed

Origins Laboratory, Inc.

[Signature]

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Kelly Kenyon
Project Number: 026914001
Project: Wierman No. 5

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: X410154

Client: LTE

Client Project ID: Wierman No 5

Checklist Completed by: Jeff Smith

Shipped Via: H/D - Carrier
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 10/15/14

Airbill #: NA

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: _____

Cooler Number/Temperature: _____ / 11.9 °C _____ / _____ °C _____ / _____ °C (Describe) _____ / _____ °C

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		<input checked="" type="checkbox"/>		<u>Sampled</u>
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water — is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

[Signature]
Reviewed by (Project Manager)

10/14/14 5:50
Date/Time Reviewed

Origins Laboratory, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Kelly Kenyon
Project Number: 026914001
Project: Wierman No. 5

B02 @ 2.5'

10/15/2014 2:25:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X410154-01 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	4J15011	10/15/2014	10/16/2014
Toluene	ND	0.002	"	"	"	"	"
Ethylbenzene	ND	0.002	"	"	"	"	"
Xylenes, total	ND	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	110 %	70-130			"	"	"
Surrogate: Toluene-d8	96.2 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	97.5 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50.0	mg/kg	1	4J15010	10/15/2014	10/15/2014
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	97.2 %	65-146			"	"	"
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Kelly Kenyon
Project Number: 026914001
Project: Wierman No. 5

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4J15011 - EPA 5030 (soil)

Blank (4J15011-BLK1)

Prepared: 10/15/2014 Analyzed: 10/15/2014

Benzene	ND	0.002	mg/kg							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
Xylenes, total	ND	0.002	"							
Surrogate: 1,2-Dichloroethane-d4	85		ug/kg	62.5	136		70-130			S-07
Surrogate: Toluene-d8	64		"	62.5	102		70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5	99.5		70-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Kelly Kenyon
Project Number: 026914001
Project: Wierman No. 5

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4J15011 - EPA 5030 (soil)

LCS (4J15011-BS1)

Prepared: 10/15/2014 Analyzed: 10/15/2014

Benzene	0.10	0.002	mg/kg	0.100		99.2	77.1-124			
Toluene	0.10	0.002	"	0.100		96.7	74.5-128			
Ethylbenzene	0.10	0.002	"	0.100		96.9	66.4-127			
m,p-Xylene	0.20	0.004	"	0.200		100	76.6-124			
o-Xylene	0.10	0.002	"	0.100		96.5	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	81		ug/kg	62.5		130	70-130			
Surrogate: Toluene-d8	64		"	62.5		102	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		100	70-130			

Origins Laboratory, Inc.



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Ross S Hutto For Noelle Doyle Mathis, President

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Kelly Kenyon
Project Number: 026914001
Project: Wierman No. 5

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4J15011 - EPA 5030 (soil)

Matrix Spike (4J15011-MS1)		Source: X410147-01			Prepared: 10/15/2014 Analyzed: 10/15/2014					
Benzene	0.09	0.002	mg/kg	0.100	ND	91.5	71.8-126			
Toluene	0.08	0.002	"	0.100	ND	83.8	65.1-130			
Ethylbenzene	0.08	0.002	"	0.100	ND	79.3	62.2-130			
m,p-Xylene	0.16	0.004	"	0.200	ND	79.4	46.5-137			
o-Xylene	0.08	0.002	"	0.100	0.0005	74.9	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	86		ug/kg	62.5		138	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	56		"	62.5		89.7	70-130			

Origins Laboratory, Inc.



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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Kelly Kenyon
Project Number: 026914001
Project: Wierman No. 5

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4J15011 - EPA 5030 (soil)

Matrix Spike Dup (4J15011-MSD1)		Source: X410147-01			Prepared: 10/15/2014 Analyzed: 10/15/2014					
Benzene	0.09	0.002	mg/kg	0.100	ND	93.7	71.8-126	2.31	11.3	
Toluene	0.09	0.002	"	0.100	ND	87.8	65.1-130	4.66	15.4	
Ethylbenzene	0.09	0.002	"	0.100	ND	85.1	62.2-130	7.08	19.6	
m,p-Xylene	0.16	0.004	"	0.200	ND	82.0	46.5-137	3.17	19.2	
o-Xylene	0.08	0.002	"	0.100	0.0005	79.2	54.2-134	5.55	17.9	
Surrogate: 1,2-Dichloroethane-d4	84		ug/kg	62.5		134	70-130			
Surrogate: Toluene-d8	61		"	62.5		98.1	70-130			
Surrogate: 4-Bromofluorobenzene	58		"	62.5		93.1	70-130			

Origins Laboratory, Inc.



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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Kelly Kenyon
Project Number: 026914001
Project: Wierman No. 5

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Extractable Petroleum Hydrocarbons by 8015M - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4J15010 - EPA 3580

Blank (4J15010-BLK1)

Prepared: 10/15/2014 Analyzed: 10/15/2014

Gasoline (C6-C10)	ND	50.0	mg/kg
Diesel (C10-C28)	ND	50.0	"
Residual Range Organics (C28-C36)	ND	200	"
TPH - Carbon Chain Total	ND	50.0	"

Surrogate: o-Terphenyl 33 g 50.0 65.2 65-146

LCS (4J15010-BS1)

Prepared: 10/15/2014 Analyzed: 10/15/2014

Gasoline (C6-C10)	979	50.0	mg/kg	1000	97.9	66.7-119
Diesel (C10-C28)	1000	50.0	"	1000	100	70.1-127
Residual Range Organics (C28-C36)	1040	200	"	1000	104	54.5-139

Surrogate: o-Terphenyl 42 g 50.0 84.0 65-146

Matrix Spike (4J15010-MS1)

Source: X410121-01

Prepared: 10/15/2014 Analyzed: 10/15/2014

Gasoline (C6-C10)	1270	50.0	mg/kg	1000	61.9	121	56.4-132
Diesel (C10-C28)	5650	50.0	"	1000	5020	62.8	57.4-138
Residual Range Organics (C28-C36)	8060	200	"	1000	7520	54.0	47.7-129

Surrogate: o-Terphenyl 47 g 50.0 93.7 65-146

Matrix Spike Dup (4J15010-MSD1)

Source: X410121-01

Prepared: 10/15/2014 Analyzed: 10/15/2014

Gasoline (C6-C10)	1290	50.0	mg/kg	1000	61.9	123	56.4-132	1.90	22
Diesel (C10-C28)	6140	50.0	"	1000	5020	111	57.4-138	8.23	18.3
Residual Range Organics (C28-C36)	8700	200	"	1000	7520	119	47.7-129	7.74	30.1

Origins Laboratory, Inc.

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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

Kelly Kenyon
Project Number: 026914001
Project: Wierman No. 5

Extractable Petroleum Hydrocarbons by 8015M - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4J15010 - EPA 3580

Matrix Spike Dup (4J15010-MSD1)

Source: X410121-01

Prepared: 10/15/2014 Analyzed: 10/15/2014

Surrogate: o-Terphenyl	54		g	50.0		108	65-146			
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Ross S Hutto For Noelle Doyle Mathis, President

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

Kelly Kenyon

Project Number: 026914001

Project: Wierman No. 5

Notes and Definitions

S-07 High surrogate in sample, however sample is non-detect. High surrogate indicates result values are biased high.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

Origins Laboratory, Inc.



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Ross S Hutto For Noelle Doyle Mathis, President



October 27, 2014

LT Environmental, Inc.

John Cocroft

4600 West 60th Avenue

Arvada

CO 80003

Project Name - KMG - Wierman #5

Project Number - 026914001

Attached are your analytical results for KMG - Wierman #5 received by Origins Laboratory, Inc. October 24, 2014. This project is associated with Origins project number X410288-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

LT Environmental, Inc.

4600 West 60th Avenue

Arvada CO 80003

John Cocroft

Project Number: 026914001

Project: KMG - Wierman #5

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B03 @1.5'	X410288-01	Soil	October 24, 2014 13:10	10/24/2014 17:00

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: 026914001
Project: KMG - Wierman #5

www.originslaboratory.com

X410288

page 1 of 1

ORIGINS
LABORATORY, INC

Client: LTE
Address: 4600 W 60th Ave
Arvada, CO
Telephone Number: 720-456-0164

Project Manager/Send Report To: John Cocroft
Email Address: JohnCocroft@ltenv.com/See list
Project Name/Number: Energy Search/026914001
Samples Collected By: Chad Terry

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis/Method	Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #			Other
B01C15	10/24/14	1310	1	X					X			BTEX / TPH	1
													2
													3
													4
													5
													6
													7
													8
													9
													10
Relinquished By: <u>[Signature]</u>	Date: <u>10/24/14</u>	Time: <u>1700</u>	Received By: <u>[Signature]</u>	Date: <u>10-24-14</u>	Time: <u>1700</u>	Turnaround Time: <u>24 Hr</u> <input checked="" type="checkbox"/> <u>48 Hr</u> <input type="checkbox"/> <u>72 Hr</u> <input type="checkbox"/> <u>Standard</u> <input type="checkbox"/>							
Relinquished By: <u>[Signature]</u>	Date: <u>10/24/14</u>	Time: <u>1700</u>	Received By: <u>[Signature]</u>	Date: <u>10-24-14</u>	Time: <u>1700</u>	Turnaround Time: <u>24 Hr</u> <input checked="" type="checkbox"/> <u>48 Hr</u> <input type="checkbox"/> <u>72 Hr</u> <input type="checkbox"/> <u>Standard</u> <input type="checkbox"/>							

Comments:

Date Results Needed:

Origins Laboratory, Inc.

Jefe Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: 026914001
Project: KMG - Wierman #5

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: X410288

Client: LTE

Client Project ID: Energy Search

Checklist Completed by: Jeff Smith

Shipped Via: Pick Up
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 10/24/14

Airbill #: NA

Matrix(s) Received: (Check all that apply): X Soil/Solid Water Other:

Cooler Number/Temperature: / 7.2 °C / °C / °C (Describe)

Thermometer ID: TB03

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		X		Sampled Same Day
Is there ice present (document if blue ice is used)	X			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		X		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		X		
Were all samples received intact ⁽¹⁾ ?	X			
Was adequate sample volume provided ⁽¹⁾ ?	X			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		X		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	X			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	X			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	X			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	X			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			X	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄ / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			X	
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Jeff Smith
Reviewed by (Project Manager)

10/24/14
Date/Time Reviewed

Origins Laboratory, Inc.

Jeff Pellegrini

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: 026914001
Project: KMG - Wierman #5

B03 @1.5'

10/24/2014 1:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
X410288-01 (Soil)

BTEX by EPA 8260C

Benzene	ND	0.002	mg/kg	1	4J24019	10/24/2014	10/26/2014
Toluene	0.002	0.002	"	"	"	"	"
Ethylbenzene	0.004	0.002	"	"	"	"	"
Xylenes, total	0.02	0.002	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	107 %	70-130			"	"	"
Surrogate: Toluene-d8	101 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	96.8 %	70-130			"	"	"

TPH-Carbon Chain by EPA Method 8015C

Gasoline (C6-C10)	ND	50.0	mg/kg	1	4J24020	10/24/2014	10/27/2014
Diesel (C10-C28)	ND	50.0	"	"	"	"	"
Residual Range Organics (C28-C36)	ND	200	"	"	"	"	"
TPH - Carbon Chain Total	ND	50.0	"	"	"	"	"

Surrogate: o-Terphenyl	99.2 %	65-146			"	"	"
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Origins Laboratory, Inc.



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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: 026914001
Project: KMG - Wierman #5

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4J24019 - EPA 5030 (soil)

Blank (4J24019-BLK1)

Prepared: 10/24/2014 Analyzed: 10/26/2014

Benzene	ND	0.002	mg/kg							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
Xylenes, total	ND	0.002	"							
Surrogate: 1,2-Dichloroethane-d4	46		ug/kg	62.5	73.0	70-130				
Surrogate: Toluene-d8	44		"	62.5	71.1	70-130				
Surrogate: 4-Bromofluorobenzene	44		"	62.5	70.2	70-130				

Origins Laboratory, Inc.



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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: 026914001
Project: KMG - Wierman #5

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4J24019 - EPA 5030 (soil)										
LCS (4J24019-BS1)					Prepared: 10/24/2014 Analyzed: 10/26/2014					
Benzene	0.11	0.002	mg/kg	0.100		107	77.1-124			
Toluene	0.10	0.002	"	0.100		100	74.5-128			
Ethylbenzene	0.09	0.002	"	0.100		94.2	66.4-127			
m,p-Xylene	0.19	0.004	"	0.200		95.5	76.6-124			
o-Xylene	0.10	0.002	"	0.100		96.5	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	62		ug/kg	62.5		99.4	70-130			
Surrogate: Toluene-d8	61		"	62.5		98.3	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		97.3	70-130			

Origins Laboratory, Inc.



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4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: 026914001
Project: KMG - Wierman #5

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4J24019 - EPA 5030 (soil)

Matrix Spike (4J24019-MS1)		Source: X410286-02			Prepared: 10/24/2014 Analyzed: 10/26/2014			QM-07		
Benzene	1.77	0.002	mg/kg	0.100	1.04	728	71.8-126			
Toluene	2.76	0.002	"	0.100	2.14	620	65.1-130			
Ethylbenzene	ND	0.002	"	0.100	0.33	NR	62.2-130			
m,p-Xylene	0.36	0.004	"	0.200	0.40	NR	46.5-137			
o-Xylene	0.34	0.002	"	0.100	0.37	NR	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	140		ug/kg	62.5		230	70-130			
Surrogate: Toluene-d8	170		"	62.5		270	70-130			
Surrogate: 4-Bromofluorobenzene	12		"	62.5		19.3	70-130			

Origins Laboratory, Inc.



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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: 026914001
Project: KMG - Wierman #5

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4J24019 - EPA 5030 (soil)

Matrix Spike Dup (4J24019-MSD1)		Source: X410286-02			Prepared: 10/24/2014 Analyzed: 10/26/2014				QM-07	
Benzene	0.84	0.002	mg/kg	0.100	1.04	NR	71.8-126	71.6	11.3	
Toluene	1.49	0.002	"	0.100	2.14	NR	65.1-130	59.5	15.4	
Ethylbenzene	0.28	0.002	"	0.100	0.33	NR	62.2-130		19.6	
m,p-Xylene	0.39	0.004	"	0.200	0.40	NR	46.5-137	6.87	19.2	
o-Xylene	0.37	0.002	"	0.100	0.37	1.40	54.2-134	9.27	17.9	
Surrogate: 1,2-Dichloroethane-d4	100		ug/kg	62.5		163	70-130			
Surrogate: Toluene-d8	120		"	62.5		191	70-130			
Surrogate: 4-Bromofluorobenzene	24		"	62.5		38.2	70-130			

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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: 026914001
Project: KMG - Wierman #5

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Extractable Petroleum Hydrocarbons by 8015M - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4J24020 - EPA 3580

Blank (4J24020-BLK1)

Prepared: 10/24/2014 Analyzed: 10/27/2014

Gasoline (C6-C10)	ND	50.0	mg/kg
Diesel (C10-C28)	ND	50.0	"
Residual Range Organics (C28-C36)	ND	200	"
TPH - Carbon Chain Total	ND	50.0	"

Surrogate: o-Terphenyl 54 g 50.0 107 65-146

LCS (4J24020-BS1)

Prepared: 10/24/2014 Analyzed: 10/27/2014

Gasoline (C6-C10)	1050	50.0	mg/kg	1000	105	66.7-119
Diesel (C10-C28)	1040	50.0	"	1000	104	70.1-127
Residual Range Organics (C28-C36)	1040	200	"	1000	104	54.5-139

Surrogate: o-Terphenyl 57 g 50.0 114 65-146

Matrix Spike (4J24020-MS1)

Source: X410286-04

Prepared: 10/24/2014 Analyzed: 10/27/2014

Gasoline (C6-C10)	938	50.0	mg/kg	1000	ND	93.8	56.4-132
Diesel (C10-C28)	1020	50.0	"	1000	159	85.6	57.4-138
Residual Range Organics (C28-C36)	1220	200	"	1000	326	89.6	47.7-129

Surrogate: o-Terphenyl 44 g 50.0 88.6 65-146

Matrix Spike Dup (4J24020-MSD1)

Source: X410286-04

Prepared: 10/24/2014 Analyzed: 10/27/2014

Gasoline (C6-C10)	965	50.0	mg/kg	1000	ND	96.5	56.4-132	2.81	22
Diesel (C10-C28)	1090	50.0	"	1000	159	92.8	57.4-138	6.86	18.3
Residual Range Organics (C28-C36)	1280	200	"	1000	326	95.7	47.7-129	4.80	30.1

Origins Laboratory, Inc.



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LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: 026914001
Project: KMG - Wierman #5

Extractable Petroleum Hydrocarbons by 8015M - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4J24020 - EPA 3580

Matrix Spike Dup (4J24020-MSD1)

Source: X410286-04

Prepared: 10/24/2014 Analyzed: 10/27/2014

Surrogate: o-Terphenyl	48		g	50.0	96.0	65-146
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini For Noelle Doyle Mathis, President

LT Environmental, Inc.
4600 West 60th Avenue
Arvada CO 80003

John Cocroft
Project Number: 026914001
Project: KMG - Wierman #5

Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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Radio ID 100*22*22933



SHOP: 1235 DENVER AVENUE, FORT LUPTON

CUSTOMER Energy Search

INVOICE **35005**

ADDRESS

DATE 10-13-2014

LEASE Wierman

WELL NO. 405

CUSTOMER

CONTRACTOR

P.O. NO. _____

JOB NO. _____

[illegible]

EMPLOYEES TIME		HOURS	RATE	AMOUNT	EQUIPMENT	UNIT #	HOURS	RATE	AMOUNT
Operator/Foreman	Wye	5	32. ⁰⁰	160 00	Pickup				
Helpers	Michael	5	30. ⁰⁰	150 00	Truck (1) Ton	39	5	34. ⁰⁰	170 00
	Alfonse	5	30. ⁰⁰	150 00	Backhoe	5	3	60. ⁰⁰	180 00
	Jose	5	30. ⁰⁰	150 00	Trencher				
					Trailer				
TOTALS				610 00	Dump Truck	12	5	70. ⁰⁰	350 00
MATERIALS BOUGHT OUT				AMOUNT	Hotsy				
					Water Truck				
					Welder				
					Bush Hog				
					TOTAL				700 00
TOTAL					TOTAL INVOICE AMOUNT				1,310 00

APPROVED

For Customer

APPROVED

For Contractor

WHITE - Original ♦ YELLOW - Office ♦ PINK - Customer



9246288

Buffalo Ridge
11655 CR 59
Keenesburg, CO 80643
Ph: (303) 732-0218

Original
Ticket# 913003

Customer Name ENERGYSEARCHCO ENERGY SEARCH Carrier BARRONS BARRONS OIL FIELD SERVICES
Ticket Date 10/13/2014 Vehicle# 12 Volume
Payment Type Credit Card Container
Manual Ticket# Driver
Hauling Ticket# Check# 01165E
Route Billing # 0000399
State Waste Code Gen EPA ID
Manifest 122290 Grid
Destination
PO Wierman#5Hwy7&Holly
Profile 114289CO (CONTAMINATED SOIL - CRUDE OIL)
Generator 125-ENERGYSEARCHCOMPANY ENERGY SEARCH COMPANY

	Time	Scale	Operator	Inbound	Gross	
In	10/13/2014 13:49:44	Scale 1	shaddock		54160 lb	
Out	10/13/2014 13:49:44		shaddock		22800 lb	
					Net	31360 lb
					Tons	15.68

Comments cc over phone with Carlson

WASTE MANAGEMENT

Hours: M-F 7AM-4PM, Sat: 8AM-1PM

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-Tons 100		15.68	Tons				
2 RCR-P-Regulatory C 100			%				
3 FUEL-Fuel Surcharg 100			%				
4 EVF-L-Standard Env 100		1	Load				

Jeru Diaz

Amt \$361.73, Amt Tendered \$361.73, Chg Due \$0.00

Total Tax
Total Ticket



NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N / A		2. Page 1 of 1	3. Emergency Response Phone (800) 424-9300	4. Waste Tracking Number 122290	
		5. Generator's Name and Mailing Address ENERGY SEARCH CO 13600 TRENTON PLACE BRIGHTON CO 80602		Generator's Site Address (if different than mailing address) WIEKMAN # 5 HWY 7 & HOLLY ST S. 6 1/2. WS INT			
Generator's Phone: (303) 320-6546		6. Transporter 1 Company Name BARRON'S OIL Field Service 303 857 0899		U.S. EPA ID Number			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address Buffalo Ridge Landfill 11655 WCR 59 Keenesburg CO 80643				U.S. EPA ID Number			
Facility's Phone: (303) 732-0218							
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.		
		No.	Type				
1. NON REGULATED SOLID (CONTAMINATED SOIL - CRUDE OIL) 11428900						NONE	
2.							
3.							
4.							
13. Special Handling Instructions and Additional Information Customer Acct #: BR 399 Customer Name: ENERGY SEARCH CO Transporter 1 address & phone #: Transporter 2 address & phone #:							
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and governmental regulations.							
Generator's/Offor's Printed/Typed Name Carson R. Ruck				Signature Carson R. Ruck		Month Day Year 10 13 14	
15. International Shipments		<input type="checkbox"/> Import to U.S.		<input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:	
Transporter Signature (for exports only):							
16. Transporter Acknowledgement of Receipt of Materials							
Transporter 1 Printed/Typed Name				Signature		Month Day Year	
Transporter 2 Printed/Typed Name JESUS DIAZ				Signature Jesus Diaz		Month Day Year 10 13 14	
17. Discrepancy							
17a. Discrepancy Indication Space							
<input type="checkbox"/> Quantity		<input type="checkbox"/> Type		<input type="checkbox"/> Residue		<input type="checkbox"/> Partial Rejection	
						<input type="checkbox"/> Full Rejection	
17b. Alternate Facility (or Generator)				Manifest Reference Number: U.S. EPA ID Number			
Facility's Phone:							
17c. Signature of Alternate Facility (or Generator)						Month Day Year	
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a							
Printed/Typed Name Carson R. Ruck				Signature Carson R. Ruck		Month Day Year 10 13 14	

Driver's Signature



9246300

Buffalo Ridge
11655 CR 59
Keenesburg, CO, 80643
Ph: (303)732-0218

Original
Ticket# 913015

Customer Name ENERGYSEARCHCO ENERGY SEARCH Carrier BARRONS BARRONS OIL FIELD SERVICES
Ticket Date 10/13/2014 Vehicle# 12 Volume
Payment Type Credit Card Container
Manual Ticket# Driver
Hauling Ticket# Check# 09570E
Route Billing # 0000399
State Waste Code Gen EPA ID
Manifest 122291 Grid
Destination PO Wierman5 hwy7-Holly
Profile 114289CO (CONTAMINATED SOIL - CRUDE OIL)
Generator 125-ENERGYSEARCHCOMPANY ENERGY SEARCH COMPANY

	Time	Scale	Operator	Inbound	Gross	52540 lb
In	10/13/2014 15:52:02	Scale 1	shaddock		Tare	22800 lb
Out	10/13/2014 15:52:02		shaddock		Net	29740 lb
					Tons	14.87

Comments: Car over phone with carlson

Hours: M-F 7AM-4PM, Sat: 8AM-1PM

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil Pet-Tons	100	14.87	Tons				
2 RCR-P-Regulatory C	100		%				
3 FUEL-Fuel Surcharg	100		%				
4 EVF-L-Standard Env	100	1	Load				

Jerin Dicy

Amt \$343.84, Amt Tendered \$343.84, Chg Due \$0.00

Total Tax
Total Ticket



NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N / A		2. Page 1 of 1	3. Emergency Response Phone (800) 424- 9300		4. Waste Tracking Number 122291	
		5. Generator's Name and Mailing Address ENERGY SEARCH CO 13600 TRENTON PLACE BRIGHTON CO 80602		Generator's Site Address (if different than mailing address) WICKLIFF RD 5 HWY 7 & HOLLY ST. S.W. W.S. INTL				
Generator's Phone: (303) 320- 6546		6. Transporter 1 Company Name BARBERS OIL Field Service 303 857 0877		U.S. EPA ID Number				
7. Transporter 2 Company Name				U.S. EPA ID Number				
8. Designated Facility Name and Site Address Buffalo Ridge Landfill 11655 WCR 59 Keenesburg CO 80643				U.S. EPA ID Number				
Facility's Phone: (303) 732- 0218								
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt./Vol.			
		No.	Type					
1. NON REGULATED SOLID (CONTAMINATED SOIL - CRUDE OIL) 114289CO				14.87 Ton		NONE		
2.								
3.								
4.								
13. Special Handling Instructions and Additional Information Customer Acct #: BR 399 Customer Name: ENERGY SEARCH CO Transporter 1 address & phone #: Transporter 2 address & phone #:								
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and governmental regulations.								
Generator's/Offeror's Printed/Typed Name Casson Robble				Signature <i>Casson Robble</i>		Month Day Year 10 13 14		
15. International Shipments		<input type="checkbox"/> Import to U.S.		<input type="checkbox"/> Export from U.S.		Port of entry/exit:		
Transporter Signature (for exports only):				Date leaving U.S.:				
16. Transporter Acknowledgement of Receipt of Materials								
Transporter 1 Printed/Typed Name		Signature		Month Day Year				
Transporter 2 Printed/Typed Name JESUS DIAZ		Signature <i>Jesus Diaz</i>		Month Day Year 10 13 14				
17. Discrepancy								
17a. Discrepancy Indication Space								
<input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
17b. Alternate Facility (or Generator)		Manifest Reference Number:						
Facility's Phone:		U.S. EPA ID Number						
17c. Signature of Alternate Facility (or Generator)		Month Day Year						
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a								
Printed/Typed Name Landfill		Signature <i>Landfill</i>		Month Day Year 9/30/15				