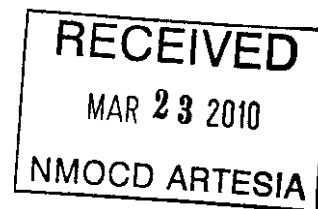




March 16, 2010



Mr. Mike Bratcher  
New Mexico Oil Conservation Division  
1301 Wet Grand Ave.  
Artesia, NM 88210

AMARILLO  
921 North Bivins  
Amarillo, Texas 79107  
Phone 806.467.0607  
Fax 806.467.0622

AUSTIN  
3003 Tom Gary Cove  
Building C-100  
Round Rock, Texas 78664  
Phone 512.989.3428  
Fax 512.989.3487

TYLER  
719 West Front, Ste. 255  
Tyler, Texas 75702  
Phone 903.531.9971  
Fax 903.531.9979

MIDLAND  
2901 S. State Hwy 349  
Midland, Texas 79706  
Phone 432.522.2133  
Fax 432.522.2180

SAN ANTONIO  
17170 Jordan Rd  
Suite 102  
Selma, Texas 78154  
Phone 210.579.0235  
Fax 210.568.2191

HOUSTON  
3233 West 11th Street, Ste. 400  
Houston, Texas 77008  
Phone 713.861.0081  
Fax 713.868.3208

TULSA  
9906 East 43rd Street, Ste. G  
Tulsa, Oklahoma 74146  
Phone 918.742.0871  
Fax 918.742.0876

HOBBS  
318 East Taylor Street  
Hobbs, New Mexico 88240  
Phone 575.393.4261  
Fax 505.393.4658

ENVIRONMENTAL CONSULTING  
ENGINEERING  
DRILLING  
CONSTRUCTION  
EMERGENCY RESPONSE

**RE: Riverwolf #10 Wellhead Soil Closure Documentation**

Dear Mr. Bratcher:

On Behalf of BP America Production Company (BP), Talon/LPE (Talon) is pleased to provide you with the documentation of the impacted soil abatement at the Riverwolf Unit # 10 wellhead. This well was originally plugged by BP in March 2009. Historical soil impact at the wellhead was identified by the new lease holder while preparing to re-enter the well.

Talon (at the request of BP) removed impacted soil at the location and disposed of this material at Lea Land Landfill. The final excavation measured approximately 20 feet by 10 feet, with a total depth of 12 feet. After review of the attached confirmatory analytical results, and coordination with the NMOCD (District 2) and Bureau of Land Management, Talon backfilled the location with clean fill.

If you have any questions pertaining to this matter, please do not hesitate to contact me.

Respectfully Submitted;

Kyle Summers  
District Manager  
Talon/LPE – Artesia  
432.230.7673

Attachments: C-141 (Initial and Final)  
Analytical Results  
Waste Manifests

Cc BP America  
Talon/LPE (file)

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

MAR 23 2010

NMOCD ARTESIA

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 <b>BP America Production Company</b>	Contact <b>Steve Pacheco</b>
Address <b>PO Box 129 Artesia, NM 88210</b>	Telephone No. <b>575-677-3642</b>
Facility Name <b>Riverwolf Unit No. 10</b>	Facility Type <b>Oil Well</b>

Surface Owner <b>BLM</b>	Mineral Owner <b>BLM</b>	Lease No. <b>API # 3001500639</b>
--------------------------	--------------------------	-----------------------------------

### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	<del>North/South</del> Line	Feet from the	<del>East/West</del> Line	County
<b>O</b>	<b>35</b>	<b>17S</b>	<b>27E</b>	<b>410</b>		<b>2235</b>		<b>Eddy</b>

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

### NATURE OF RELEASE

Type of Release <b>Oil and Produced Water</b>	Volume of Release <b>Unknown</b>	Volume Recovered <b>Unknown</b>
Source of Release <b>Riverwolf Unit # 10 Well Bore</b>	Date and Hour of Occurrence <b>Unknown</b>	Date and Hour of Discovery <b>October 27, 2009</b>
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES; Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

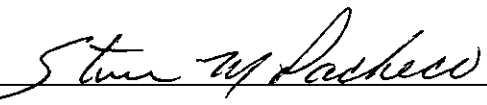
**Well was plugged by BP America Production Company, March 2009. Historical release found when new lessee was preparing to re-enter well, October 2009. Impacted soil was removed by Talon/LPE (working for BP) and disposed of at Lea Land Landfill. The site was backfilled with clean dirt.**

**Activities were coordinated with Jim Amos, BLM, and Mike Bratcher, OCD.**

Describe Area Affected and Cleanup Action Taken.\*

**Area impacted was approximately 20 ft x 10 ft x 12 ft deep immediately around the Riverwolf Unit #10 well bore. The area was excavated to hard bedrock and properly disposed. Clean fill was returned to the excavation.**

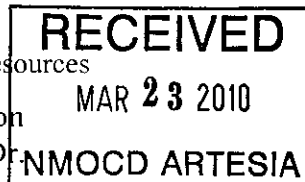
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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: 	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: <b>Steve M. Pacheco</b>	Approved by District Supervisor:		
Title: <b>Southeast New Mexico Team Lead</b>	Approval Date:	Expiration Date:	
E-mail Address: <b>Steve.Pacheco@bp.com</b>	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <b>3/4/2010</b>	Phone: <b>575-677-3642</b>		

\* Attach Additional Sheets If Necessary

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  
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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 <b>BP America Production Company</b>	Contact <b>Steve Pacheco</b>
Address <b>PO Box 129 Artesia, NM 88210</b>	Telephone No. <b>575-677-3642</b>
Facility Name <b>Riverwolf Unit No. 10</b>	Facility Type <b>Oil Well</b>

Surface Owner <b>BLM</b>	Mineral Owner <b>BLM</b>	Lease No. <b>API # 3001500639</b>
--------------------------	--------------------------	-----------------------------------

### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	<del>North</del> /South Line	Feet from the	<del>East</del> /West Line	County
<b>O</b>	<b>35</b>	<b>17S</b>	<b>27E</b>	<b>410</b>		<b>2235</b>		<b>Eddy</b>

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

### NATURE OF RELEASE

Type of Release <b>Oil and Produced Water</b>	Volume of Release <b>Unknown</b>	Volume Recovered <b>Unknown</b>
Source of Release <b>Riverwolf Unit # 10 Well Bore</b>	Date and Hour of Occurrence <b>Unknown</b>	Date and Hour of Discovery <b>October 27, 2009</b>
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

**Well was plugged by BP America Production Company, March 2009. Historical release found when new lessee was preparing to re-enter well, October 2009. Impacted soil will be removed and disposed of at Lea Land Landfill. The site will be backfilled with clean dirt.**

Describe Area Affected and Cleanup Action Taken.\*

**Area impacted is immediately around the Riverwolf Unit #10 well bore.**

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:	<b>OIL CONSERVATION DIVISION</b>		
Printed Name: <b>Steve M. Pacheco</b>	Approved by District Supervisor:		
Title: <b>Southeast New Mexico Team Lead</b>	Approval Date:	Expiration Date:	
E-mail Address: <b>Steve.Pacheco@bp.com</b>	Conditions of Approval:		Attached <input type="checkbox"/>
Date: <b>3/4/2010</b>	Phone: <b>575-677-3642</b>		

\* Attach Additional Sheets If Necessary

COPY

## Summary Report

Kyle Summers  
Talon LPE-Artesia  
104 Hermosa Dr.  
Artesia, NM 88210

Report Date: December 8, 2009

Work Order: 9112506



Project Location: Eddy County, New Mexico  
Project Name: Riverwolf #10  
Project Number: 700562.83.02

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
215791	East Wall Middle 4' from bottom	soil	2009-11-24	13:30	2009-11-25
215792	West Wall Middle 4' from bottom	soil	2009-11-24	13:00	2009-11-25
215793	North Wall Middle 4' from bottom	soil	2009-11-24	13:26	2009-11-25
215794	Bottom Middle	soil	2009-11-24	12:48	2009-11-25
215795	South Top 4' down middle	soil	2009-11-24	14:30	2009-11-25
215796	East Top 4' down middle	soil	2009-11-24	14:30	2009-11-25
215797	West Top 4' down middle	soil	2009-11-24	13:00	2009-11-25
215798	North Top 4' down middle	soil	2009-11-24	14:40	2009-11-25
215799	South Wall 4' from bottom	soil	2009-11-24	13:10	2009-11-25

Sample - Field Code	TPH DRO - NEW DRO (mg/Kg)	TPH GRO GRO (mg/Kg)
215791 - East Wall Middle 4' from bottom	118	<2.00
215792 - West Wall Middle 4' from bottom	1630	117
215793 - North Wall Middle 4' from bottom	<50.0	<2.00
215794 - Bottom Middle	626	200
215795 - South Top 4' down middle	172	2.84
215796 - East Top 4' down middle	<50.0	<2.00
215797 - West Top 4' down middle	<50.0	3.49
215798 - North Top 4' down middle	<50.0	<2.00
215799 - South Wall 4' from bottom	<50.0	<2.00

Sample: 215791 - East Wall Middle 4' from bottom

Param	Flag	Result	Units	RL
Benzene		<0.0200	mg/Kg	0.0200
Toluene		<0.0200	mg/Kg	0.0200

continued ...

TraceAnalysis, Inc. • 6701 Aberdeen Ave., Suite 9 • Lubbock, TX 79424-1515 • (806) 794-1296

This is only a summary. Please, refer to the complete report package for quality control data.

*sample 215791 continued ...*

Param	Flag	Result	Units	RL
Ethylbenzene		<0.0200	mg/Kg	0.0200
Xylene		<0.0200	mg/Kg	0.0200
Total BTEX		<0.0600	mg/Kg	0.0600
SPLP Chloride		98.4	mg/L	0.500

**Sample: 215792 - West Wall Middle 4' from bottom**

Param	Flag	Result	Units	RL
Benzene	1	<0.100	mg/Kg	0.0200
Toluene		<0.100	mg/Kg	0.0200
Ethylbenzene		1.06	mg/Kg	0.0200
Xylene		1.04	mg/Kg	0.0200
Total BTEX		2.10	mg/Kg	0.0600
SPLP Chloride		184	mg/L	0.500

**Sample: 215793 - North Wall Middle 4' from bottom**

Param	Flag	Result	Units	RL
Benzene		<0.0200	mg/Kg	0.0200
Toluene		<0.0200	mg/Kg	0.0200
Ethylbenzene		<0.0200	mg/Kg	0.0200
Xylene		<0.0200	mg/Kg	0.0200
Total BTEX		<0.0600	mg/Kg	0.0600
SPLP Chloride		83.6	mg/L	0.500

**Sample: 215794 - Bottom Middle**

Param	Flag	Result	Units	RL
Benzene		0.136	mg/Kg	0.0200
Toluene		0.205	mg/Kg	0.0200
Ethylbenzene		3.67	mg/Kg	0.0200
Xylene		3.50	mg/Kg	0.0200
Total BTEX		7.51	mg/Kg	0.0600
SPLP Chloride		281	mg/L	0.500

**Sample: 215795 - South Top 4' down middle**

Param	Flag	Result	Units	RL
Benzene		<0.0200	mg/Kg	0.0200

*continued ...*<sup>1</sup>Sample ran at dilution due to hydrocarbons with a retention time greater than xylene.

*sample 215795 continued ...*

Param	Flag	Result	Units	RL
Toluene		<0.0200	mg/Kg	0.0200
Ethylbenzene		0.0384	mg/Kg	0.0200
Xylene		0.0442	mg/Kg	0.0200
Total BTEX		0.0826	mg/Kg	0.0600
SPLP Chloride		27.8	mg/L	0.500

**Sample: 215796 - East Top 4' down middle**

Param	Flag	Result	Units	RL
Benzene		<0.0200	mg/Kg	0.0200
Toluene		<0.0200	mg/Kg	0.0200
Ethylbenzene		<0.0200	mg/Kg	0.0200
Xylene		<0.0200	mg/Kg	0.0200
Total BTEX		<0.0600	mg/Kg	0.0600
SPLP Chloride		3.12	mg/L	0.500

**Sample: 215797 - West Top 4' down middle**

Param	Flag	Result	Units	RL
Benzene		<0.0200	mg/Kg	0.0200
Toluene		<0.0200	mg/Kg	0.0200
Ethylbenzene		<0.0200	mg/Kg	0.0200
Xylene		<0.0200	mg/Kg	0.0200
Total BTEX		<0.0600	mg/Kg	0.0600
SPLP Chloride		14.8	mg/L	0.500

**Sample: 215798 - North Top 4' down middle**

Param	Flag	Result	Units	RL
Benzene		<0.0200	mg/Kg	0.0200
Toluene		<0.0200	mg/Kg	0.0200
Ethylbenzene		<0.0200	mg/Kg	0.0200
Xylene		<0.0200	mg/Kg	0.0200
Total BTEX		<0.0600	mg/Kg	0.0600
SPLP Chloride		2.01	mg/L	0.500

**Sample: 215799 - South Wall 4' from bottom**

Param	Flag	Result	Units	RL
Benzene		<0.0200	mg/Kg	0.0200
Toluene		<0.0200	mg/Kg	0.0200

*continued ...*

---

*sample 215799 continued ...*

Param	Flag	Result	Units	RL
Ethylbenzene		<0.0200	mg/Kg	0.0200
Xylene		<0.0200	mg/Kg	0.0200
Total BTEX		<0.0600	mg/Kg	0.0600
SPLP Chloride		84.7	mg/L	0.500



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200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944  
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313  
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260  
E-Mail: lab@traceanalysis.com

## Certifications

WBENC: 237019

HUB: 1752439743100-86536  
NCTRCA WFWB38444Y0909

DBE: VN 20657

## NELAP Certifications

Lubbock: T104704219-08-TX  
LELAP-02003  
Kansas E-10317

El Paso: T104704221-08-TX  
LELAP-02002

Midland: T104704392-08-TX

## Analytical and Quality Control Report

Kyle Summers  
Talon LPE-Artesia  
104 Hermosa Dr.  
Artesia, NM, 88210

Report Date: December 8, 2009

Work Order: 9112506



Project Location: Eddy County, New Mexico  
Project Name: Riverwolf #10  
Project Number: 700562.83.02

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
215791	East Wall Middle 4' from bottom	soil	2009-11-24	13:30	2009-11-25
215792	West Wall Middle 4' from bottom	soil	2009-11-24	13:00	2009-11-25
215793	North Wall Middle 4' from bottom	soil	2009-11-24	13:26	2009-11-25
215794	Bottom Middle	soil	2009-11-24	12:48	2009-11-25
215795	South Top 4' down middle	soil	2009-11-24	14:30	2009-11-25
215796	East Top 4' down middle	soil	2009-11-24	14:30	2009-11-25
215797	West Top 4' down middle	soil	2009-11-24	13:00	2009-11-25
215798	North Top 4' down middle	soil	2009-11-24	14:40	2009-11-25
215799	South Wall 4' from bottom	soil	2009-11-24	13:10	2009-11-25



These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 27 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

---

Dr. Blair Leftwich, Director  
Dr. Michael Abel, Project Manager

**Standard Flags**

**B** - The sample contains less than ten times the concentration found in the method blank.

## Case Narrative

Samples for project Riverwolf #10 were received by TraceAnalysis, Inc. on 2009-11-25 and assigned to work order 9112506. Samples for work order 9112506 were received intact without headspace and at a temperature of 1.4 deg. C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
BTEX	S 8021B	56057	2009-11-25 at 08:17	65602	2009-11-25 at 08:17
SPLP Cl	E 300.0	56264	2009-12-07 at 13:16	65834	2009-12-07 at 13:14
SPLP Cl	E 300.0	56265	2009-12-07 at 13:41	65835	2009-12-08 at 01:08
Total BTEX	S 8021B	56057	2009-11-25 at 08:17	65602	2009-11-25 at 08:17
TPH DRO - NEW	Mod. 8015B	56070	2009-11-25 at 15:00	65615	2009-11-27 at 17:00
TPH DRO - NEW	Mod. 8015B	56107	2009-11-30 at 15:00	65653	2009-11-30 at 18:00
TPH GRO	S 8015B	56057	2009-11-25 at 08:17	65604	2009-11-25 at 08:17

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 9112506 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Report Date: December 8, 2009  
700562.83.02

Work Order: 9112506  
Riverwolf #10

Page Number: 4 of 27  
Eddy County, New Mexico

## Analytical Report

**Sample: 215791 - East Wall Middle 4' from bottom**

Laboratory: Lubbock

Analysis: BTEX, Total BTEX

QC Batch: 65602

Prep Batch: 56057

Analytical Method: S 8021B

Date Analyzed: 2009-11-25

Sample Preparation: 2009-11-25

Prep Method: S 5035

Analyzed By: MT

Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	1	0.0200
Toluene		<0.0200	mg/Kg	1	0.0200
Ethylbenzene		<0.0200	mg/Kg	1	0.0200
Xylene		<0.0200	mg/Kg	1	0.0200
Total BTEX		<0.0600	mg/Kg	1	0.0600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.48	mg/Kg	1	2.00	74	71.8 - 112
4-Bromofluorobenzene (4-BFB)		1.86	mg/Kg	1	2.00	93	72.8 - 115

**Sample: 215791 - East Wall Middle 4' from bottom**

Laboratory: Lubbock

Analysis: SPLP Cl

QC Batch: 65835

Prep Batch: 56265

Analytical Method: E 300.0

Date Analyzed: 2009-12-08

SPLP Extraction: 2009-12-04

Sample Preparation: 2009-12-07

Prep Method: SPLP 1312

Analyzed By: SS

Prepared By: SS

Prepared By: SS

Parameter	Flag	RL Result	Units	Dilution	RL
SPLP Chloride		98.4	mg/L	5	0.500

**Sample: 215791 - East Wall Middle 4' from bottom**

Laboratory: Lubbock

Analysis: TPH DRO - NEW

QC Batch: 65615

Prep Batch: 56070

Analytical Method: Mod. 8015B

Date Analyzed: 2009-11-27

Sample Preparation: 2009-11-25

Prep Method: N/A

Analyzed By: AW

Prepared By: AW

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		118	mg/Kg	1	50.0

Report Date: December 8, 2009  
700562.83.02

Work Order: 9112506  
Riverwolf #10

Page Number: 5 of 27  
Eddy County, New Mexico

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		115	mg/Kg	1	100	115	38.6 - 167

**Sample: 215791 - East Wall Middle 4' from bottom**

Laboratory: Lubbock  
Analysis: TPH GRO      Analytical Method: S 8015B      Prep Method: S 5035  
QC Batch: 65604      Date Analyzed: 2009-11-25      Analyzed By: MT  
Prep Batch: 56057      Sample Preparation: 2009-11-25      Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<2.00	mg/Kg	1	2.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.76	mg/Kg	1	2.00	88	86.9 - 113
4-Bromofluorobenzene (4-BFB)		2.00	mg/Kg	1	2.00	100	56.2 - 130

**Sample: 215792 - West Wall Middle 4' from bottom**

Laboratory: Lubbock  
Analysis: BTEX, Total BTEX      Analytical Method: S 8021B      Prep Method: S 5035  
QC Batch: 65602      Date Analyzed: 2009-11-25      Analyzed By: MT  
Prep Batch: 56057      Sample Preparation: 2009-11-25      Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	1	<0.100	mg/Kg	5	0.0200
Toluene		<0.100	mg/Kg	5	0.0200
Ethylbenzene		1.06	mg/Kg	5	0.0200
Xylene		1.04	mg/Kg	5	0.0200
Total BTEX		2.10	mg/Kg	5	0.0600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	2	1.20	mg/Kg	5	2.00	60	71.8 - 112
4-Bromofluorobenzene (4-BFB)	3	2.42	mg/Kg	5	2.00	121	72.8 - 115

<sup>1</sup> Sample ran at dilution due to hydrocarbons with a retention time greater than xylene.

<sup>2</sup> Surrogate recovery out due to dilution caused by hydrocarbons in the sample.

<sup>3</sup> High surrogate recovery due to peak interference.

Report Date: December 8, 2009  
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**Sample: 215792 - West Wall Middle 4' from bottom**

Laboratory:	Lubbock		
Analysis:	SPLP Cl	Analytical Method:	E 300.0
QC Batch:	65835	Date Analyzed:	2009-12-08
Prep Batch:	56265	SPLP Extraction:	2009-12-04
		Sample Preparation:	2009-12-07
		Prep Method:	SPLP 1312
		Analyzed By:	SS
		Prepared By:	SS
		Prepared By:	SS

Parameter	Flag	RL Result	Units	Dilution	RL
SPLP Chloride		184	mg/L	5	0.500

**Sample: 215792 - West Wall Middle 4' from bottom**

Laboratory:	Lubbock		
Analysis:	TPH DRO - NEW	Analytical Method:	Mod. 8015B
QC Batch:	65615	Date Analyzed:	2009-11-27
Prep Batch:	56070	Sample Preparation:	2009-11-25
		Prep Method:	N/A
		Analyzed By:	AW
		Prepared By:	AW

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		1630	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	4	213	mg/Kg	10	100	213	38.6 - 167

**Sample: 215792 - West Wall Middle 4' from bottom**

Laboratory:	Lubbock		
Analysis:	TPH GRO	Analytical Method:	S 8015B
QC Batch:	65604	Date Analyzed:	2009-11-25
Prep Batch:	56057	Sample Preparation:	2009-11-25
		Prep Method:	S 5035
		Analyzed By:	MT
		Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		117	mg/Kg	5	2.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	5	1.61	mg/Kg	5	2.00	80	86.9 - 113
4-Bromofluorobenzene (4-BFB)	6	3.13	mg/Kg	5	2.00	156	56.2 - 130

<sup>4</sup>High surrogate recovery due to peak interference.

<sup>5</sup>Surrogate recovery out due to dilution caused by hydrocarbons in the sample.

<sup>6</sup>High surrogate recovery due to peak interference.

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**Sample: 215793 - North Wall Middle 4' from bottom**

Laboratory:	Lubbock	Analytical Method:	S 8021B	Prep Method:	S 5035
Analysis:	BTEX, Total BTEX	Date Analyzed:	2009-11-25	Analyzed By:	MT
QC Batch:	65602	Sample Preparation:	2009-11-25	Prepared By:	MT
Prep Batch:	56057				

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	1	0.0200
Toluene		<0.0200	mg/Kg	1	0.0200
Ethylbenzene		<0.0200	mg/Kg	1	0.0200
Xylene		<0.0200	mg/Kg	1	0.0200
Total BTEX		<0.0600	mg/Kg	1	0.0600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.93	mg/Kg	1	2.00	96	71.8 - 112
4-Bromofluorobenzene (4-BFB)		1.91	mg/Kg	1	2.00	96	72.8 - 115

**Sample: 215793 - North Wall Middle 4' from bottom**

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	SPLP 1312
Analysis:	SPLP Cl	Date Analyzed:	2009-12-08	Analyzed By:	SS
QC Batch:	65835	SPLP Extraction:	2009-12-04	Prepared By:	SS
Prep Batch:	56265	Sample Preparation:	2009-12-07	Prepared By:	SS

Parameter	Flag	RL Result	Units	Dilution	RL
SPLP Chloride		83.6	mg/L	5	0.500

**Sample: 215793 - North Wall Middle 4' from bottom**

Laboratory:	Lubbock	Analytical Method:	Mod. 8015B	Prep Method:	N/A
Analysis:	TPH DRO - NEW	Date Analyzed:	2009-11-27	Analyzed By:	AW
QC Batch:	65615	Sample Preparation:	2009-11-25	Prepared By:	AW
Prep Batch:	56070				

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		102	mg/Kg	1	100	102	38.6 - 167

**Sample: 215793 - North Wall Middle 4' from bottom**

Laboratory: Lubbock  
 Analysis: TPH GRO Analytical Method: S 8015B Prep Method: S 5035  
 QC Batch: 65604 Date Analyzed: 2009-11-25 Analyzed By: MT  
 Prep Batch: 56057 Sample Preparation: 2009-11-25 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<2.00	mg/Kg	1	2.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	<sup>7</sup>	2.30	mg/Kg	1	2.00	115	86.9 - 113
4-Bromofluorobenzene (4-BFB)		2.04	mg/Kg	1	2.00	102	56.2 - 130

**Sample: 215794 - Bottom Middle**

Laboratory: Lubbock  
 Analysis: BTEX, Total BTEX Analytical Method: S 8021B Prep Method: S 5035  
 QC Batch: 65602 Date Analyzed: 2009-11-25 Analyzed By: MT  
 Prep Batch: 56057 Sample Preparation: 2009-11-25 Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<b>0.136</b>	mg/Kg	2	0.0200
Toluene		<b>0.205</b>	mg/Kg	2	0.0200
Ethylbenzene		<b>3.67</b>	mg/Kg	2	0.0200
Xylene		<b>3.50</b>	mg/Kg	2	0.0200
Total BTEX		<b>7.51</b>	mg/Kg	2	0.0600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	<sup>8</sup>	1.20	mg/Kg	2	2.00	60	71.8 - 112
4-Bromofluorobenzene (4-BFB)	<sup>9</sup>	3.16	mg/Kg	2	2.00	158	72.8 - 115

<sup>7</sup>High surrogate recovery. Sample non-detect, result bias high.

<sup>8</sup>Surrogate recovery out due to dilution caused by hydrocarbons in the sample.

<sup>9</sup>High surrogate recovery due to peak interference.

**Sample: 215794 - Bottom Middle**

Laboratory:	Lubbock		
Analysis:	SPLP Cl	Analytical Method:	E 300.0
QC Batch:	65835	Date Analyzed:	2009-12-08
Prep Batch:	56265	SPLP Extraction:	2009-12-04
		Sample Preparation:	2009-12-07
		Prep Method:	SPLP 1312
		Analyzed By:	SS
		Prepared By:	SS
		Prepared By:	SS

Parameter	Flag	RL Result	Units	Dilution	RL
SPLP Chloride		281	mg/L	10	0.500

**Sample: 215794 - Bottom Middle**

Laboratory:	Lubbock		
Analysis:	TPH DRO - NEW	Analytical Method:	Mod. 8015B
QC Batch:	65653	Date Analyzed:	2009-11-30
Prep Batch:	56107	Sample Preparation:	2009-11-30
		Prep Method:	N/A
		Analyzed By:	AW
		Prepared By:	AW

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		626	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		137	mg/Kg	1	100	137	38.6 - 167

**Sample: 215794 - Bottom Middle**

Laboratory:	Lubbock		
Analysis:	TPH GRO	Analytical Method:	S 8015B
QC Batch:	65604	Date Analyzed:	2009-11-25
Prep Batch:	56057	Sample Preparation:	2009-11-25
		Prep Method:	S 5035
		Analyzed By:	MT
		Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		200	mg/Kg	2	2.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	<sup>10</sup>	1.30	mg/Kg	2	2.00	65	86.9 - 113
4-Bromofluorobenzene (4-BFB)	<sup>11</sup>	6.23	mg/Kg	2	2.00	312	56.2 - 130

<sup>10</sup>Surrogate recovery out due to dilution caused by hydrocarbons in the sample.

<sup>11</sup>High surrogate recovery due to peak interference.



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**Sample: 215795 - South Top 4' down middle**

Laboratory: Lubbock  
Analysis: BTEX, Total BTEX      Analytical Method: S 8021B      Prep Method: S 5035  
QC Batch: 65602      Date Analyzed: 2009-11-25      Analyzed By: MT  
Prep Batch: 56057      Sample Preparation: 2009-11-25      Prepared By: MT

Parameter	Flag	RL	Units	Dilution	RL
		Result			
Benzene		<0.0200	mg/Kg	1	0.0200
Toluene		<0.0200	mg/Kg	1	0.0200
Ethylbenzene		0.0384	mg/Kg	1	0.0200
Xylene		0.0442	mg/Kg	1	0.0200
Total BTEX		0.0826	mg/Kg	1	0.0600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.91	mg/Kg	1	2.00	96	71.8 - 112
4-Bromofluorobenzene (4-BFB)		1.96	mg/Kg	1	2.00	98	72.8 - 115

**Sample: 215795 - South Top 4' down middle**

Laboratory: Lubbock  
Analysis: SPLP Cl      Analytical Method: E 300.0      Prep Method: SPLP 1312  
QC Batch: 65834      Date Analyzed: 2009-12-07      Analyzed By: SS  
Prep Batch: 56264      SPLP Extraction: 2009-12-04      Prepared By: SS  
Sample Preparation: 2009-12-07      Prepared By: SS

Parameter	Flag	RL	Units	Dilution	RL
		Result			
SPLP Chloride		27.8	mg/L	1	0.500

**Sample: 215795 - South Top 4' down middle**

Laboratory: Lubbock  
Analysis: TPH DRO - NEW      Analytical Method: Mod. 8015B      Prep Method: N/A  
QC Batch: 65615      Date Analyzed: 2009-11-27      Analyzed By: AW  
Prep Batch: 56070      Sample Preparation: 2009-11-25      Prepared By: AW

Parameter	Flag	RL	Units	Dilution	RL
		Result			
DRO		172	mg/Kg	1	50.0

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		112	mg/Kg	1	100	112	38.6 - 167

**Sample: 215795 - South Top 4' down middle**

Laboratory: Lubbock  
Analysis: TPH GRO      Analytical Method: S 8015B      Prep Method: S 5035  
QC Batch: 65604      Date Analyzed: 2009-11-25      Analyzed By: MT  
Prep Batch: 56057      Sample Preparation: 2009-11-25      Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		2.84	mg/Kg	1	2.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.23	mg/Kg	1	2.00	112	86.9 - 113
4-Bromofluorobenzene (4-BFB)		2.26	mg/Kg	1	2.00	113	56.2 - 130

**Sample: 215796 - East Top 4' down middle**

Laboratory: Lubbock  
Analysis: BTEX, Total BTEX      Analytical Method: S 8021B      Prep Method: S 5035  
QC Batch: 65602      Date Analyzed: 2009-11-25      Analyzed By: MT  
Prep Batch: 56057      Sample Preparation: 2009-11-25      Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	1	0.0200
Toluene		<0.0200	mg/Kg	1	0.0200
Ethylbenzene		<0.0200	mg/Kg	1	0.0200
Xylene		<0.0200	mg/Kg	1	0.0200
Total BTEX		<0.0600	mg/Kg	1	0.0600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.94	mg/Kg	1	2.00	97	71.8 - 112
4-Bromofluorobenzene (4-BFB)		2.03	mg/Kg	1	2.00	102	72.8 - 115

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**Sample: 215796 - East Top 4' down middle**

Laboratory:	Lubbock	Analytical Method:	E 300.0	Prep Method:	SPLP 1312
Analysis:	SPLP Cl	Date Analyzed:	2009-12-07	Analyzed By:	SS
QC Batch:	65834	SPLP Extraction:	2009-12-04	Prepared By:	SS
Prep Batch:	56264	Sample Preparation:	2009-12-07	Prepared By:	SS

Parameter	Flag	RL Result	Units	Dilution	RL
SPLP Chloride		3.12	mg/L	1	0.500

**Sample: 215796 - East Top 4' down middle**

Laboratory:	Lubbock	Analytical Method:	Mod. 8015B	Prep Method:	N/A
Analysis:	TPH DRO - NEW	Date Analyzed:	2009-11-27	Analyzed By:	AW
QC Batch:	65615	Sample Preparation:	2009-11-25	Prepared By:	AW
Prep Batch:	56070				

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		98.6	mg/Kg	1	100	99	38.6 - 167

**Sample: 215796 - East Top 4' down middle**

Laboratory:	Lubbock	Analytical Method:	S 8015B	Prep Method:	S 5035
Analysis:	TPH GRO	Date Analyzed:	2009-11-25	Analyzed By:	MT
QC Batch:	65604	Sample Preparation:	2009-11-25	Prepared By:	MT
Prep Batch:	56057				

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<2.00	mg/Kg	1	2.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	<sup>12</sup>	2.28	mg/Kg	1	2.00	114	86.9 - 113
4-Bromofluorobenzene (4-BFB)		2.12	mg/Kg	1	2.00	106	56.2 - 130

<sup>12</sup>High surrogate recovery. Sample non-detect, result bias high.

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**Sample: 215797 - West Top 4' down middle**

Laboratory: Lubbock  
Analysis: BTEX, Total BTEX      Analytical Method: S 8021B      Prep Method: S 5035  
QC Batch: 65602      Date Analyzed: 2009-11-25      Analyzed By: MT  
Prep Batch: 56057      Sample Preparation: 2009-11-25      Prepared By: MT

Parameter	Flag	RL		Units	Dilution	RL
		Result				
Benzene		<0.0200		mg/Kg	1	0.0200
Toluene		<0.0200		mg/Kg	1	0.0200
Ethylbenzene		<0.0200		mg/Kg	1	0.0200
Xylene		<0.0200		mg/Kg	1	0.0200
Total BTEX		<0.0600		mg/Kg	1	0.0600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.82	mg/Kg	1	2.00	91	71.8 - 112
4-Bromofluorobenzene (4-BFB)		1.90	mg/Kg	1	2.00	95	72.8 - 115

**Sample: 215797 - West Top 4' down middle**

Laboratory: Lubbock  
Analysis: SPLP Cl      Analytical Method: E 300.0      Prep Method: SPLP 1312  
QC Batch: 65834      Date Analyzed: 2009-12-07      Analyzed By: SS  
Prep Batch: 56264      SPLP Extraction: 2009-12-04      Prepared By: SS  
Sample Preparation: 2009-12-07      Prepared By: SS

Parameter	Flag	RL		Units	Dilution	RL
		Result				
SPLP Chloride		14.8		mg/L	1	0.500

**Sample: 215797 - West Top 4' down middle**

Laboratory: Lubbock  
Analysis: TPH DRO - NEW      Analytical Method: Mod. 8015B      Prep Method: N/A  
QC Batch: 65615      Date Analyzed: 2009-11-27      Analyzed By: AW  
Prep Batch: 56070      Sample Preparation: 2009-11-25      Prepared By: AW

Parameter	Flag	RL		Units	Dilution	RL
		Result				
DRO		<50.0		mg/Kg	1	50.0

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		98.1	mg/Kg	1	100	98	38.6 - 167

**Sample: 215797 - West Top 4' down middle**

Laboratory: Lubbock  
Analysis: TPH GRO      Analytical Method: S 8015B      Prep Method: S 5035  
QC Batch: 65604      Date Analyzed: 2009-11-25      Analyzed By: MT  
Prep Batch: 56057      Sample Preparation: 2009-11-25      Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		3.49	mg/Kg	1	2.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.12	mg/Kg	1	2.00	106	86.9 - 113
4-Bromofluorobenzene (4-BFB)		1.87	mg/Kg	1	2.00	94	56.2 - 130

**Sample: 215798 - North Top 4' down middle**

Laboratory: Lubbock  
Analysis: BTEX, Total BTEX      Analytical Method: S 8021B      Prep Method: S 5035  
QC Batch: 65602      Date Analyzed: 2009-11-25      Analyzed By: MT  
Prep Batch: 56057      Sample Preparation: 2009-11-25      Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	1	0.0200
Toluene		<0.0200	mg/Kg	1	0.0200
Ethylbenzene		<0.0200	mg/Kg	1	0.0200
Xylene		<0.0200	mg/Kg	1	0.0200
Total BTEX		<0.0600	mg/Kg	1	0.0600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.76	mg/Kg	1	2.00	88	71.8 - 112
4-Bromofluorobenzene (4-BFB)		1.80	mg/Kg	1	2.00	90	72.8 - 115

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**Sample: 215798 - North Top 4' down middle**

Laboratory:	Lubbock		
Analysis:	SPLP Cl	Analytical Method:	E 300.0
QC Batch:	65834	Date Analyzed:	2009-12-07
Prep Batch:	56264	SPLP Extraction:	2009-12-04
		Sample Preparation:	2009-12-07
		Prep Method:	SPLP 1312
		Analyzed By:	SS
		Prepared By:	SS
		Prepared By:	SS

Parameter	Flag	RL Result	Units	Dilution	RL
SPLP Chloride		2.01	mg/L	1	0.500

**Sample: 215798 - North Top 4' down middle**

Laboratory:	Lubbock		
Analysis:	TPH DRO - NEW	Analytical Method:	Mod. 8015B
QC Batch:	65615	Date Analyzed:	2009-11-27
Prep Batch:	56070	Sample Preparation:	2009-11-25
		Prep Method:	N/A
		Analyzed By:	AW
		Prepared By:	AW

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		101	mg/Kg	1	100	101	38.6 - 167

**Sample: 215798 - North Top 4' down middle**

Laboratory:	Lubbock		
Analysis:	TPH GRO	Analytical Method:	S 8015B
QC Batch:	65604	Date Analyzed:	2009-11-25
Prep Batch:	56057	Sample Preparation:	2009-11-25
		Prep Method:	S 5035
		Analyzed By:	MT
		Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<2.00	mg/Kg	1	2.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.06	mg/Kg	1	2.00	103	86.9 - 113
4-Bromofluorobenzene (4-BFB)		1.93	mg/Kg	1	2.00	96	56.2 - 130

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**Sample: 215799 - South Wall 4' from bottom**

Laboratory:	Lubbock		
Analysis:	BTEX, Total BTEX	Analytical Method:	S 8021B
QC Batch:	65602	Date Analyzed:	2009-11-25
Prep Batch:	56057	Sample Preparation:	2009-11-25
		Prep Method:	S 5035
		Analyzed By:	MT
		Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	1	0.0200
Toluene		<0.0200	mg/Kg	1	0.0200
Ethylbenzene		<0.0200	mg/Kg	1	0.0200
Xylene		<0.0200	mg/Kg	1	0.0200
Total BTEX		<0.0600	mg/Kg	1	0.0600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.83	mg/Kg	1	2.00	92	71.8 - 112
4-Bromofluorobenzene (4-BFB)		1.89	mg/Kg	1	2.00	94	72.8 - 115

**Sample: 215799 - South Wall 4' from bottom**

Laboratory:	Lubbock		
Analysis:	SPLP Cl	Analytical Method:	E 300.0
QC Batch:	65835	Date Analyzed:	2009-12-08
Prep Batch:	56265	SPLP Extraction:	2009-12-04
		Sample Preparation:	2009-12-07
		Prep Method:	SPLP 1312
		Analyzed By:	SS
		Prepared By:	SS
		Prepared By:	SS

Parameter	Flag	RL Result	Units	Dilution	RL
SPLP Chloride		84.7	mg/L	5	0.500

**Sample: 215799 - South Wall 4' from bottom**

Laboratory:	Lubbock		
Analysis:	TPH DRO - NEW	Analytical Method:	Mod. 8015B
QC Batch:	65615	Date Analyzed:	2009-11-27
Prep Batch:	56070	Sample Preparation:	2009-11-25
		Prep Method:	N/A
		Analyzed By:	AW
		Prepared By:	AW

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		100	mg/Kg	1	100	100	38.6 - 167

**Sample: 215799 - South Wall 4' from bottom**

Laboratory: Lubbock  
Analysis: TPH GRO  
QC Batch: 65604  
Prep Batch: 56057

Analytical Method: S 8015B  
Date Analyzed: 2009-11-25  
Sample Preparation: 2009-11-25

Prep Method: S 5035  
Analyzed By: MT  
Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<2.00	mg/Kg	1	2.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.12	mg/Kg	1	2.00	106	86.9 - 113
4-Bromofluorobenzene (4-BFB)		2.01	mg/Kg	1	2.00	100	56.2 - 130

**Method Blank (1)**      QC Batch: 65602

QC Batch: 65602  
Prep Batch: 56057

Date Analyzed: 2009-11-25  
QC Preparation: 2009-11-25

Analyzed By: MT  
Prepared By: MT

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00331	mg/Kg	0.02
Toluene		<0.00528	mg/Kg	0.02
Ethylbenzene		<0.00448	mg/Kg	0.02
Xylene		<0.00456	mg/Kg	0.02

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.79	mg/Kg	1	2.00	90	71.8 - 112
4-Bromofluorobenzene (4-BFB)		1.68	mg/Kg	1	2.00	84	72.8 - 115

**Method Blank (1)**      QC Batch: 65604

QC Batch: 65604  
Prep Batch: 56057

Date Analyzed: 2009-11-25  
QC Preparation: 2009-11-25

Analyzed By: MT  
Prepared By: MT



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Parameter	Flag	MDL Result	Units	RL
GRO		<0.403	mg/Kg	2

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.01	mg/Kg	1	2.00	100	86.9 - 113
4-Bromofluorobenzene (4-BFB)		1.83	mg/Kg	1	2.00	92	56.2 - 130

**Method Blank (1)**      QC Batch: 65615

QC Batch: 65615      Date Analyzed: 2009-11-27      Analyzed By: AW  
Prep Batch: 56070      QC Preparation: 2009-11-25      Prepared By: AW

Parameter	Flag	MDL Result	Units	RL
DRO		<4.66	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		111	mg/Kg	1	100	111	38.6 - 167

**Method Blank (1)**      QC Batch: 65653

QC Batch: 65653      Date Analyzed: 2009-11-30      Analyzed By: AW  
Prep Batch: 56107      QC Preparation: 2009-11-30      Prepared By: AW

Parameter	Flag	MDL Result	Units	RL
DRO		<4.66	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		114	mg/Kg	1	100	114	38.6 - 167

**Method Blank (1)**      QC Batch: 65834

QC Batch: 65834      Date Analyzed: 2009-12-07      Analyzed By: SS  
Prep Batch: 56264      QC Preparation: 2009-12-07      Prepared By: SS

Parameter	Flag	MDL Result	Units	RL
SPLP Chloride		0.927	mg/L	0.5

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**Method Blank (1) QC Batch: 65835**

QC Batch: 65835  
Prep Batch: 56265

Date Analyzed: 2009-12-08  
QC Preparation: 2009-12-07

Analyzed By: SS  
Prepared By: SS

Parameter	Flag	MDL Result	Units	RL
SPLP Chloride		0.924	mg/L	0.5

**Laboratory Control Spike (LCS-1)**

QC Batch: 65602  
Prep Batch: 56057

Date Analyzed: 2009-11-25  
QC Preparation: 2009-11-25

Analyzed By: MT  
Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.84	mg/Kg	1	2.00	<0.00331	92	78.9 - 113
Toluene	1.86	mg/Kg	1	2.00	<0.00528	93	78.3 - 116
Ethylbenzene	1.78	mg/Kg	1	2.00	<0.00448	89	79.1 - 117
Xylene	5.37	mg/Kg	1	6.00	<0.00456	90	79.6 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.85	mg/Kg	1	2.00	<0.00331	92	78.9 - 113	0	20
Toluene	1.85	mg/Kg	1	2.00	<0.00528	92	78.3 - 116	0	20
Ethylbenzene	1.78	mg/Kg	1	2.00	<0.00448	89	79.1 - 117	0	20
Xylene	5.34	mg/Kg	1	6.00	<0.00456	89	79.6 - 116	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.89	1.92	mg/Kg	1	2.00	94	96	70.8 - 111
4-Bromofluorobenzene (4-BFB)	1.76	1.77	mg/Kg	1	2.00	88	88	68.3 - 117

**Laboratory Control Spike (LCS-1)**

QC Batch: 65604  
Prep Batch: 56057

Date Analyzed: 2009-11-25  
QC Preparation: 2009-11-25

Analyzed By: MT  
Prepared By: MT

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	19.5	mg/Kg	1	20.0	<0.403	98	72.6 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

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Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	20.4	mg/Kg	1	20.0	<0.403	102	72.6 - 121	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.94	1.97	mg/Kg	1	2.00	97	98	75.2 - 112
4-Bromofluorobenzene (4-BFB)	1.90	1.91	mg/Kg	1	2.00	95	96	54.9 - 133

#### Laboratory Control Spike (LCS-1)

QC Batch: 65615  
Prep Batch: 56070

Date Analyzed: 2009-11-27  
QC Preparation: 2009-11-25

Analyzed By: AW  
Prepared By: AW

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	250	mg/Kg	1	250	<4.66	100	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	262	mg/Kg	1	250	<4.66	105	70 - 130	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Tricosane	112	113	mg/Kg	1	100	112	113	38.6 - 167

#### Laboratory Control Spike (LCS-1)

QC Batch: 65653  
Prep Batch: 56107

Date Analyzed: 2009-11-30  
QC Preparation: 2009-11-30

Analyzed By: AW  
Prepared By: AW

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	292	mg/Kg	1	250	<4.66	117	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	248	mg/Kg	1	250	<4.66	99	70 - 130	16	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

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Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Tricosane	126	109	mg/Kg	1	100	126	109	38.6 - 167

**Laboratory Control Spike (LCS-1)**

QC Batch: 65834  
Prep Batch: 56264

Date Analyzed: 2009-12-07  
QC Preparation: 2009-12-07

Analyzed By: SS  
Prepared By: SS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
SPLP Chloride	23.9	mg/L	1	25.0	<0.137	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
SPLP Chloride	23.9	mg/L	1	25.0	<0.137	96	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

**Laboratory Control Spike (LCS-1)**

QC Batch: 65835  
Prep Batch: 56265

Date Analyzed: 2009-12-08  
QC Preparation: 2009-12-07

Analyzed By: SS  
Prepared By: SS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
SPLP Chloride	23.5	mg/L	1	25.0	<0.137	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
SPLP Chloride	24.4	mg/L	1	25.0	<0.137	98	90 - 110	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

**Matrix Spike (MS-1) Spiked Sample: 215791**

QC Batch: 65602  
Prep Batch: 56057

Date Analyzed: 2009-11-25  
QC Preparation: 2009-11-25

Analyzed By: MT  
Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.71	mg/Kg	1	2.00	<0.00331	86	61.5 - 134
Toluene	1.83	mg/Kg	1	2.00	<0.00528	92	64.2 - 143

*continued ...*

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matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ethylbenzene	1.87	mg/Kg	1	2.00	<0.00448	94	67.7 - 152
Xylene	5.62	mg/Kg	1	6.00	<0.00456	94	67.8 - 152

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.57	mg/Kg	1	2.00	<0.00331	78	61.5 - 134	8	20
Toluene	1.66	mg/Kg	1	2.00	<0.00528	83	64.2 - 143	10	20
Ethylbenzene	1.72	mg/Kg	1	2.00	<0.00448	86	67.7 - 152	8	20
Xylene	5.14	mg/Kg	1	6.00	<0.00456	86	67.8 - 152	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.70	1.57	mg/Kg	1	2	85	78	65.3 - 134
4-Bromofluorobenzene (4-BFB)	1.75	1.59	mg/Kg	1	2	88	80	61.9 - 143

**Matrix Spike (MS-1)** Spiked Sample: 215793

QC Batch: 65604  
Prep Batch: 56057

Date Analyzed: 2009-11-25  
QC Preparation: 2009-11-25

Analyzed By: MT  
Prepared By: MT

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	17.7	mg/Kg	1	20.0	<0.403	88	34.1 - 160

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	20.1	mg/Kg	1	20.0	<0.403	100	34.1 - 160	13	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.98	2.17	mg/Kg	1	2	99	108	56.9 - 137
4-Bromofluorobenzene (4-BFB)	2.10	2.18	mg/Kg	1	2	105	109	42.1 - 171

**Matrix Spike (MS-1)** Spiked Sample: 215791

QC Batch: 65615  
Prep Batch: 56070

Date Analyzed: 2009-11-27  
QC Preparation: 2009-11-25

Analyzed By: AW  
Prepared By: AW

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	<sup>13</sup>	280	mg/Kg	1	250	118	65	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	<sup>14</sup>	231	mg/Kg	1	250	118	45	70 - 130	19	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Tricosane	102	101	mg/Kg	1	100	102	101	38.6 - 167

**Matrix Spike (MS-1)** Spiked Sample: 215794

QC Batch: 65653 Date Analyzed: 2009-11-30 Analyzed By: AW  
Prep Batch: 56107 QC Preparation: 2009-11-30 Prepared By: AW

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO		926	mg/Kg	1	250	626	120	70 - 130

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO		814	mg/Kg	1	250	626	75	70 - 130	13	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Tricosane	149	131	mg/Kg	1	100	149	131	38.6 - 167

**Matrix Spike (MS-1)** Spiked Sample: 215799

QC Batch: 65834 Date Analyzed: 2009-12-07 Analyzed By: SS  
Prep Batch: 56264 QC Preparation: 2009-12-07 Prepared By: SS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
SPLP Chloride	<sup>15</sup>	128	mg/L	1	25.0	<0.137	512	49.8 - 149

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

<sup>13</sup>Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

<sup>14</sup>Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

<sup>15</sup>Matrix spikes run with samples, but spiked sample was re-run in another batch. •

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Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
SPLP Chloride	<sup>16</sup> 126	mg/L	1	25.0	<0.137	504	49.8 - 149	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

**Matrix Spike (MS-1)** Spiked Sample: 215794

QC Batch: 65835  
Prep Batch: 56265

Date Analyzed: 2009-12-08  
QC Preparation: 2009-12-07

Analyzed By: SS  
Prepared By: SS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
SPLP Chloride	525	mg/L	10	250	281	98	49.8 - 149

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
SPLP Chloride	521	mg/L	10	250	281	96	49.8 - 149	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

**Standard (CCV-1)**

QC Batch: 65602

Date Analyzed: 2009-11-25

Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0917	92	80 - 120	2009-11-25
Toluene		mg/Kg	0.100	0.0921	92	80 - 120	2009-11-25
Ethylbenzene		mg/Kg	0.100	0.0886	89	80 - 120	2009-11-25
Xylene		mg/Kg	0.300	0.267	89	80 - 120	2009-11-25

**Standard (CCV-2)**

QC Batch: 65602

Date Analyzed: 2009-11-25

Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0935	94	80 - 120	2009-11-25
Toluene		mg/Kg	0.100	0.0928	93	80 - 120	2009-11-25
Ethylbenzene		mg/Kg	0.100	0.0892	89	80 - 120	2009-11-25
Xylene		mg/Kg	0.300	0.266	89	80 - 120	2009-11-25

<sup>16</sup>Matrix spikes run with samples, but spiked sample was re-run in another batch. •

**Standard (CCV-3)**

QC Batch: 65602

Date Analyzed: 2009-11-25

Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0932	93	80 - 120	2009-11-25
Toluene		mg/Kg	0.100	0.0904	90	80 - 120	2009-11-25
Ethylbenzene		mg/Kg	0.100	0.0865	86	80 - 120	2009-11-25
Xylene		mg/Kg	0.300	0.260	87	80 - 120	2009-11-25

**Standard (CCV-1)**

QC Batch: 65604

Date Analyzed: 2009-11-25

Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.984	98	80 - 120	2009-11-25

**Standard (CCV-2)**

QC Batch: 65604

Date Analyzed: 2009-11-25

Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.850	85	80 - 120	2009-11-25

**Standard (CCV-3)**

QC Batch: 65604

Date Analyzed: 2009-11-25

Analyzed By: MT

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.903	90	80 - 120	2009-11-25

**Standard (CCV-1)**

QC Batch: 65615

Date Analyzed: 2009-11-27

Analyzed By: AW



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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	257	103	80 - 120	2009-11-27

**Standard (CCV-2)**

QC Batch: 65615

Date Analyzed: 2009-11-27

Analyzed By: AW

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	263	105	80 - 120	2009-11-27

**Standard (CCV-1)**

QC Batch: 65653

Date Analyzed: 2009-11-30

Analyzed By: AW

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	245	98	80 - 120	2009-11-30

**Standard (CCV-2)**

QC Batch: 65653

Date Analyzed: 2009-11-30

Analyzed By: AW

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	246	98	80 - 120	2009-11-30

**Standard (CCV-1)**

QC Batch: 65834

Date Analyzed: 2009-12-07

Analyzed By: SS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
SPLP Chloride		mg/L	25.0	23.8	95	90 - 110	2009-12-07

**Standard (CCV-2)**

QC Batch: 65834

Date Analyzed: 2009-12-07

Analyzed By: SS

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
SPLP Chloride		mg/L	25.0	23.6	94	90 - 110	2009-12-07

**Standard (CCV-1)**

QC Batch: 65835

Date Analyzed: 2009-12-08

Analyzed By: SS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
SPLP Chloride		mg/L	25.0	23.4	94	90 - 110	2009-12-08

**Standard (CCV-2)**

QC Batch: 65835

Date Analyzed: 2009-12-08

Analyzed By: SS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
SPLP Chloride		mg/L	25.0	23.9	96	90 - 110	2009-12-08

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Invoice to:		Project Name:					
(If different from above)		Riverwolf #10					
Project #:		Sampler Signature:					
700562.083.02		[Signature]					
Project Location (including state):		Project Name:					
Eddy Co., NM		Riverwolf #10					
LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	VOLUME / AMOUNT	MATRIX	PRESERVATIVE METHOD	SAMPLING DATE	TIME
715791	East wall Middle 4' from bottom	1	4.02	WATER	HNO <sub>3</sub>	11-24-09	1330
792	West wall Middle 4' from bottom	1	4.02	WATER	HNO <sub>3</sub>	11-24-09	1300
793	North wall Middle 4' from bottom	1	4.02	WATER	HNO <sub>3</sub>	11-24-09	1326
794	Bottom Middle	1	4.02	WATER	HNO <sub>3</sub>	11-24-09	1248
795	South Top 4' down middle	1	4.02	WATER	HNO <sub>3</sub>	11-24-09	1430
796	East Top 4' down middle	1	4.02	WATER	HNO <sub>3</sub>	11-24-09	1430
797	West Top 4' down middle	1	4.02	WATER	HNO <sub>3</sub>	11-24-09	1300
798	North Top 4' down middle	1	4.02	WATER	HNO <sub>3</sub>	11-24-09	1440
799	South wall 4' from bottom	1	4.02	WATER	HNO <sub>3</sub>	11-24-09	1310
<div> <div>Relinquished by: [Signature]</div> <div>Relinquished by: [Signature]</div> <div>Relinquished by: [Signature]</div> </div>							
Company:		Company:		Company:		Company:	
Talon/LPE		Talon/LPE		Talon/LPE		Talon/LPE	
Date: 11-24-09		Date: 11-24-09		Date: 11-24-09		Date: 11-24-09	
Time: 5:09		Time: 5:09		Time: 5:09		Time: 5:09	
INST: 1709		INST: 1709		INST: 1709		INST: 1709	
OBS: 1709		OBS: 1709		OBS: 1709		OBS: 1709	
COR: 1709		COR: 1709		COR: 1709		COR: 1709	

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

ORIGINAL COPY

Carrier #

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

Herrandez

### NON-HAZARDOUS WASTE MANIFEST

NO 071256

1. PAGE OF

2. TRAILER NO. 1

GENERATOR'S CERTIFICATION

#### 3. COMPANY NAME

BP America Production Company

PHONE NO.

#### 4. ADDRESS

1045 Bluestern Road

CITY

STATE

ZIP

Artesia

NM

88210

#### 5. PICK-UP DATE

11/23/09

#### 6. TNRCC I.D. NO.

#### 7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a. Non-Regulated, Non-Hazardous Waste

b. ① 18,940 ② 21,680 ③ 24,440

c.

d.

#### 8. CONTAINERS

No.

Type

#### 9. TOTAL QUANTITY

#### 10. UNIT Wt/Vol.

#### 11. TEXAS WASTE ID #

1

OM

#### 12. COMMENTS OR SPECIAL INSTRUCTIONS:

RIVERWOLF # 10

#### 13. WASTE PROFILE NO.

606523

#### 14. IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

Kim Slaughter

PHONE NO.

575-387-4048

24-HOUR EMERGENCY NO.

15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME

SIGNATURE

DATE

TRANSPORTER'S CERTIFICATION

#### 16. TRANSPORTER (1)

NAME:

Talon LPE

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

Tom Dewey

EMERGENCY PHONE:

(575) 602-3826

#### 17.

#### TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

#### 18. TRANSPORTER (1): Acknowledgment of receipt of material

PRINTED/TYPED NAME

Talon LPE

SIGNATURE

11/23/09

DATE

#### 19. TRANSPORTER (2): Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

DISPOSAL FACILITY'S CERTIFICATION

Lea Land, LLC

ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

PHONE:

505-887-4048

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

11/23/09

CELL NO.

DATE

11/23/09

TIME

10:55

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

**NON-HAZARDOUS WASTE MANIFEST**

NO

071254

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO. #312

GENERATOR'S CERTIFICATION

### 3. COMPANY NAME

QIP America Production Company  
PHONE NO.

### 4. ADDRESS

1945 Bluestem Road

CITY

STATE

ZIP

Artesia

NM

88210

### 5. PICK-UP DATE

11/23/09

### 6. TNRCC I.D. NO.

### 7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a. Non-Regulated, Non Hazardous Waste

b.

c.

dwt: 22420 @ 24820 @ 2540

### 8. CONTAINERS

No.

Type

1

CM

### 9. TOTAL QUANTITY

### 10. UNIT Wt/Vol.

### 11. TEXAS WASTE ID #

### 12. COMMENTS OR SPECIAL INSTRUCTIONS:

RIVERWOLF # 10

### 13. WASTE PROFILE NO.

000523

### 14.

### IN CASE OF EMERGENCY OR SPILL, CONTACT

### NAME

Kim Slaughter

### PHONE NO

575-387-4048

### 24-HOUR EMERGENCY NO.

**15. GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

### PRINTED/TYPED NAME

### SIGNATURE

### DATE

### 16. TRANSPORTER (1)

### NAME:

Talon LPE

### TEXAS I.D. NO.

### IN CASE OF EMERGENCY CONTACT:

Tom Dewey

### EMERGENCY PHONE:

(575) 602-3826

### 17. TRANSPORTER (2)

### NAME:

### TEXAS I.D. NO.

### IN CASE OF EMERGENCY CONTACT:

### EMERGENCY PHONE:

### 18. TRANSPORTER (1): Acknowledgment of receipt of material

### PRINTED/TYPED NAME

### SIGNATURE

### DATE

11/23/09

### 19. TRANSPORTER (2): Acknowledgment of receipt of material

### PRINTED/TYPED NAME

### SIGNATURE

### DATE

Lea Land, LLC

### ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

### PHONE:

505-887-4048

### PERMIT NO.

WM-01-035 - New Mexico

### 20. COMMENTS

**21. DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

### AUTHORIZED SIGNATURE

### CELL NO.

### DATE

11/23/09

### TIME

10:30

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

### NON-HAZARDOUS WASTE MANIFEST

NO **071255**

1. PAGE    OF   

2. TRAILER NO. **315**

G E N E R A T O R	3. COMPANY NAME <b>BP America Production Company</b>		4. ADDRESS <b>1945 Bluestem Road</b>		5. PICK-UP DATE <b>11/23/08</b>	
	PHONE NO. <b>  </b>		CITY <b>Artesia</b>	STATE <b>NM</b>	ZIP <b>88210</b>	6. TNRCC I.D. NO. <b>  </b>
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:				8. CONTAINERS No. <b>1</b> Type <b>CM</b>	9. TOTAL QUANTITY <b>  </b>
	a. <b>Non-Regulated, Non Hazardous Waste</b>					
	b. <b>  </b>					
T R A N S P O R T E R S	c. <b>  </b>					
	d/WT: <b>18580 23520 328620</b>					
	12. COMMENTS OR SPECIAL INSTRUCTIONS: <b>RIVERWOLF # 10</b>				13. WASTE PROFILE NO. <b>608623</b>	
	14. <b>IN CASE OF EMERGENCY OR SPILL, CONTACT</b>					
	NAME <b>Kim Slaughter</b>		PHONE NO <b>575-887-4048</b>		24-HOUR EMERGENCY NO. <b>  </b>	
D I S P O S I T Y	15. <b>GENERATOR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC					
	PRINTED/TYPED NAME <b>  </b>			SIGNATURE <b>  </b>		DATE <b>  </b>
	16. <b>TRANSPORTER (1)</b>			17. <b>TRANSPORTER (2)</b>		
	NAME: <b>Talon LFE</b>			NAME: <b>  </b>		
	TEXAS I.D. NO. <b>  </b>			TEXAS I.D. NO. <b>  </b>		
D I S P O S I T Y	IN CASE OF EMERGENCY CONTACT: <b>Tom Dewey</b>			IN CASE OF EMERGENCY CONTACT: <b>  </b>		
	EMERGENCY PHONE: <b>(575) 602-3826</b>			EMERGENCY PHONE: <b>  </b>		
	18. <b>TRANSPORTER (1):</b> Acknowledgment of receipt of material			19. <b>TRANSPORTER (2):</b> Acknowledgment of receipt of material		
	PRINTED/TYPED NAME <b>Diana Rios</b>			PRINTED/TYPED NAME <b>  </b>		
	SIGNATURE <b>Diana Rios</b> DATE <b>11/23/2008</b>			SIGNATURE <b>  </b> DATE <b>  </b>		
D I S P O S I T Y	Lea Land, LLC		ADDRESS: <b>Mile Marker 64, U.S. Hwy 62/180; 30 Miles East of Carlsbad, NM</b>		PHONE: <b>505-887-4048</b>	
	PERMIT NO. <b>WM-01-035 - New Mexico</b>		20. COMMENTS <b>  </b>			
	21. <b>DISPOSAL FACILITY'S CERTIFICATION:</b> I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.					
	AUTHORIZED SIGNATURE <b>  </b>		CELL NO. <b>  </b>		DATE <b>11/23/08</b>	TIME <b>10:30</b>

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

Galindo

### NON-HAZARDOUS WASTE MANIFEST

NO 071257

1. PAGE OF

2. TRAILER NO. 1

G E N E R A T O R	3. COMPANY NAME BP America Production Company		4. ADDRESS 1845 Eastern Road			5. PICK-UP DATE 11/23/09				
	PHONE NO.		CITY Artesia	STATE NM	ZIP 88210	6. TNRCC I.D. NO.				
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:					8. CONTAINERS No. Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #	
	a. Non-Regulated, Non-Hazardous Waste					1	CM			
	b. 183403 208203 19740									
T R A N S P O R T E R S	c.									
	d. SVT									
	12. COMMENTS OR SPECIAL INSTRUCTIONS: RIVERWOLF # 10					13. WASTE PROFILE NO. 000523				
	14. IN CASE OF EMERGENCY OR SPILL, CONTACT									
	NAME Kin Slaughter			PHONE NO. 575-887-4048			24-HOUR EMERGENCY NO.			
D I S P O S I T Y	15. GENERATOR'S CERTIFICATION: I Herby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC									
	PRINTED/TYPED NAME					SIGNATURE				DATE
	16. TRANSPORTER (1)					17. TRANSPORTER (2)				
	NAME: Talon LFE					NAME:				
	TEXAS I.D. NO.					TEXAS I.D. NO.				
IN CASE OF EMERGENCY CONTACT: Tom Dewey					IN CASE OF EMERGENCY CONTACT:					
EMERGENCY PHONE: (575) 602-3823					EMERGENCY PHONE:					
18. TRANSPORTER (1): Acknowledgment of receipt of material					19. TRANSPORTER (2): Acknowledgment of receipt of material					
PRINTED/TYPED NAME Maria Galindo					PRINTED/TYPED NAME					
SIGNATURE Maria Galindo DATE 11/23/09					SIGNATURE DATE					
Lea Land, LLC			ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM			PHONE: 505-887-4048				
PERMIT NO. WM-01-035 - New Mexico			20. COMMENTS							
21. DISPOSAL FACILITY'S CERTIFICATION: I Herby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.										
AUTHORIZED SIGNATURE					CELL NO.		DATE 11/23/09		TIME 10:55	

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

Triple M

### NON-HAZARDOUS WASTE MANIFEST

NO 071269

1. PAGE OF

2. TRAILER NO. P-10

G E N E R A T O R	3. COMPANY NAME BP America Production Company		4. ADDRESS 1945 Bluestem Road		5. PICK-UP DATE 11/23/09		
	PHONE NO.		CITY Artesia	STATE NM	ZIP 86210	6. TNRCC I.D. NO.	
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:			8. CONTAINERS No. Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol	11. TEXAS WASTE ID #
	a. Non-Regulated, Non Hazardous Waste			1	CM		
T R A N S P O R T E R S	b.						
	c.						
	d. 42.840						
	12. COMMENTS OR SPECIAL INSTRUCTIONS: RIVERWOLF # 10				13. WASTE PROFILE NO. 606523		
D I S P O S I T Y	14. IN CASE OF EMERGENCY OR SPILL, CONTACT						
	NAME Kin Slaughter		PHONE NO. 575-887-4048		24-HOUR EMERGENCY NO.		
	15. GENERATOR'S CERTIFICATION: I Herby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC						
	PRINTED/TYPED NAME			SIGNATURE		DATE	
D I S P O S I T Y	16. TRANSPORTER (1)			17. TRANSPORTER (2)			
	NAME: Talon LPE			NAME:			
	TEXAS I.D. NO.			TEXAS I.D. NO.			
	IN CASE OF EMERGENCY CONTACT: Tom Dewey			IN CASE OF EMERGENCY CONTACT:			
D I S P O S I T Y	EMERGENCY PHONE: (575) 602-3828			EMERGENCY PHONE:			
	18. TRANSPORTER (1): Acknowledgment of receipt of material			19. TRANSPORTER (2): Acknowledgment of receipt of material			
	PRINTED/TYPED NAME: VILIERMO GOMEZ			PRINTED/TYPED NAME:			
	SIGNATURE: [Signature] DATE: 11/23/2009			SIGNATURE: DATE:			
D I S P O S I T Y	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: 505-887-4048		
	PERMIT NO. WM-01-035 - New Mexico		20. COMMENTS				
	21. DISPOSAL FACILITY'S CERTIFICATION: I Herby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.						
	AUTHORIZED SIGNATURE: [Signature]		CELL NO.		DATE 11/23/09		TIME 9:35



# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

HB  
001

**NON-HAZARDOUS WASTE MANIFEST**

NO 071268

1. PAGE OF

2. TRAILER NO.

GENERATOR'S CERTIFICATION

3. COMPANY NAME  
BP America Production Company  
PHONE NO.

4. ADDRESS  
1945 Bluestem Road  
CITY STATE ZIP  
Artesia NM 88210

5. PICK-UP DATE  
11/23/09  
6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

8. CONTAINERS  
No. Type

9. TOTAL  
QUANTITY

10. UNIT  
Wt/Vol.

11. TEXAS  
WASTE ID #

a. Non-Regulated, Non-Hazardous Waste

1

CM

b.

c.

d. WT: 40,440

12. COMMENTS OR SPECIAL INSTRUCTIONS:  
RIVERWOLF # 10

13. WASTE PROFILE NO.

808523

14. IN CASE OF EMERGENCY OR SPILL, CONTACT:

NAME  
Kin Slaughter

PHONE NO  
575-887-4048

24-HOUR EMERGENCY NO.

TRANSPORTER'S CERTIFICATION

15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME

SIGNATURE

DATE

16. TRANSPORTER (1)

NAME: Talon LFE

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

Tom Dewey

EMERGENCY PHONE:

(575) 602-3828

17. TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

18. TRANSPORTER (1): Acknowledgment of receipt of material

PRINTED/TYPED NAME

Alejandro V

SIGNATURE

DATE

11/23/09

19. TRANSPORTER (2): Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

DATE

DISPOSAL SITE CERTIFICATION

Lea Land, LLC

ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

PHONE:

505-887-4048

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

CELL NO.

DATE 11/23/09

TIME

2:30

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

### NON-HAZARDOUS WASTE MANIFEST

NO

071267

1. PAGE OF

2. TRAILER NO. 1

G

#### 3. COMPANY NAME

BP America Production Company  
PHONE NO.

#### 4. ADDRESS

1945 Bluestem Road  
CITY STATE ZIP

#### 5. PICK-UP DATE

11/23/00

#### 6. TNRCC I.D. NO.

E

#### 7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a. Non-Regulated, Non-Hazardous Waste

#### 8. CONTAINERS

No.

Type

#### 9. TOTAL QUANTITY

#### 10. UNIT Wt/Vol.

#### 11. TEXAS WASTE ID #

N

b.

E

c.

R

d. WT: 27400

#### 12. COMMENTS OR SPECIAL INSTRUCTIONS:

RIVERWOLF # 10

#### 13. WASTE PROFILE NO.

606523

A

T

#### 14.

#### IN CASE OF EMERGENCY OR SPILL, CONTACT

#### NAME

#### PHONE NO

#### 24-HOUR EMERGENCY NO.

Min Slaughter

575-887-4048

O

15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

R

#### PRINTED/TYPED NAME

#### SIGNATURE

#### DATE

T

#### 16. TRANSPORTER (1)

#### NAME:

Talon LFE

#### TEXAS I.D. NO.

#### IN CASE OF EMERGENCY CONTACT:

Tom Dewey

#### EMERGENCY PHONE:

(575) 602-3826

#### 17. TRANSPORTER (2)

#### NAME:

#### TEXAS I.D. NO.

#### IN CASE OF EMERGENCY CONTACT:

#### EMERGENCY PHONE:

R

#### 18. TRANSPORTER (1): Acknowledgment of receipt of material

#### PRINTED/TYPED NAME

Rosaura Rios

#### SIGNATURE

Rosaura Rios

#### DATE

11/23/00

#### 19. TRANSPORTER (2): Acknowledgment of receipt of material

#### PRINTED/TYPED NAME

#### SIGNATURE

#### DATE

D

F

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S

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T

Lea Land, LLC

#### ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

#### PHONE:

505-887-4048

#### PERMIT NO.

WM-01-035 - New Mexico

#### 20. COMMENTS

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

#### AUTHORIZED SIGNATURE

#### CELL NO.

#### DATE

11/23/00

#### TIME

2:15

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

NON-HAZARDOUS WASTE MANIFEST

NO

071266

1. PAGE OF

2. TRAILER NO.

330

GENERATOR

### 3. COMPANY NAME

EP America Production Company  
PHONE NO.

### 4. ADDRESS

1945 Bluesiem Road  
CITY STATE ZIP

### 5. PICK-UP DATE

11/23/09

### 6. TNRCC I.D. NO.

NON-REGULATED

### 7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a. Non-Regulated, Non-Hazardous Waste

### 8. CONTAINERS

No.

Type

### 9. TOTAL QUANTITY

### 10. UNIT Wt/Vol.

### 11. TEXAS WASTE ID #

REMARKS

### 12. COMMENTS OR SPECIAL INSTRUCTIONS:

RIVERWOLF # 10

### 13. WASTE PROFILE NO.

609523

TRANSPORTER

### 14. NAME

### PHONE NO.

### 24-HOUR EMERGENCY NO.

Kiri Slaughter

575-887-4048

ORIGINATOR

15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

REMARKS

### PRINTED/TYPED NAME

### SIGNATURE

### DATE

TRANSPORTER

### 16. TRANSPORTER (1)

### NAME:

Talon LFE

### TEXAS I.D. NO.

### IN CASE OF EMERGENCY CONTACT:

Tom Dewey

### EMERGENCY PHONE:

(575) 602-3828

### 17. TRANSPORTER (2)

### NAME:

### TEXAS I.D. NO.

### IN CASE OF EMERGENCY CONTACT:

### EMERGENCY PHONE:

### 18. TRANSPORTER (1): Acknowledgment of receipt of material

### PRINTED/TYPED NAME

Frank Rios

### SIGNATURE

Frank Rios

### DATE

11/23/09

### 19. TRANSPORTER (2): Acknowledgment of receipt of material

### PRINTED/TYPED NAME

### SIGNATURE

### DATE

DISPOSAL SITE

### PERMIT NO.

WM-01-035 - New Mexico

### ADDRESS:

Mile Marker 64, U.S. Hwy 62/180;  
30 Miles East of Carlsbad, NM

### PHONE:

505-887-4048

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

### AUTHORIZED SIGNATURE

[Signature]

### CELL NO.

[Signature]

### DATE

11/23/09

### TIME

2:10

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

HERNANDEZ

### NON-HAZARDOUS WASTE MANIFEST

NO 071270

1. PAGE OF

2. TRAILER NO. 1

G

3. COMPANY NAME  
BP America Production Company

4. ADDRESS  
1945 Bluestem Road

5. PICK-UP DATE  
11/24/09

PHONE NO.

CITY

STATE

ZIP

6. TNRCC I.D. NO.

Artesia

NM

88210

E

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

8. CONTAINERS  
No. Type

9. TOTAL  
QUANTITY

10. UNIT  
Wt/Vol.

11. TEXAS  
WASTE ID.#

N

a. Non-Regulated, Non Hazardous Waste

1

CM

E

b.

c.

R

dwt: 21,680 @ 21,800

A

12. COMMENTS OR SPECIAL INSTRUCTIONS:  
RIVERWOLF # 10

13. WASTE PROFILE NO.

606523

T

14.

### IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

PHONE NO.

24-HOUR EMERGENCY NO.

Rin Slaughter

575-887-4049

O

15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

R

PRINTED/TYPED NAME

SIGNATURE

DATE

T

16. TRANSPORTER (1)

NAME:

Talon LPE

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

Tam Dewey

EMERGENCY PHONE:

(575) 802-3820

R

18. TRANSPORTER (1): Acknowledgment of receipt of material

PRINTED/TYPED NAME

Hernandez

SIGNATURE

Hernandez

DATE

11/24/09

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Lea Land, LLC

ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

PHONE:

505-887-4048

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PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

CELL NO.

DATE 11/24/09

TIME

Hernandez

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10:00

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

**NON-HAZARDOUS WASTE MANIFEST**

NO

**071293**

1. PAGE    OF   

2. TRAILER NO.

**315**

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3. COMPANY NAME

BP America Production Company  
PHONE NO.

4. ADDRESS

1945 Bluestem Road  
CITY STATE ZIP

5. PICK-UP DATE

11/24/00

6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a. Non-Regulated, Non-Hazardous Waste

b.

c.

d. WT: **23,980** @ **22,520**

8. CONTAINERS  
No. Type

1

CM

9. TOTAL  
QUANTITY

10. UNIT  
Wt/Vol

11. TEXAS  
WASTE ID #

12. COMMENTS OR SPECIAL INSTRUCTIONS:

RIVERWOLF # 10

13. WASTE PROFILE NO.

606529

14.

IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

PHONE NO

24-HOUR EMERGENCY NO.

Kim Slaughter

575-887-4048

15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

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16. TRANSPORTER (1)

NAME:

Talon LFE

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

Tom Dewey

EMERGENCY PHONE:

(575) 607-3038

17. TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

18. TRANSPORTER (1): Acknowledgment of receipt of material

PRINTED/TYPED NAME

*Donna R. O.*

SIGNATURE

*Donna R. O.*

DATE

11/24/00

19. TRANSPORTER (2): Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

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Lea Land, LLC

ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

PHONE:

505-887-4048

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

CELL NO.

DATE

11/24/00

TIME

1000

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

*Gemini*

### NON-HAZARDOUS WASTE MANIFEST

NO

071292

1. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO.

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#### 3. COMPANY NAME

GP America Production Company  
PHONE NO.

#### 4. ADDRESS

1945 Bluestem Road  
CITY STATE ZIP

#### 5. PICK-UP DATE

11/24/09

#### 6. TNRCC I.D. NO.

#### 7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a. Non-Regulated Non-Hazardous Waste

b.

c.

d.

WT: 25040 (2) 26480

12. COMMENTS OR SPECIAL INSTRUCTIONS:

RIVERWOLF # 10

#### 8. CONTAINERS

No. Type

4 CM

#### 9. TOTAL QUANTITY

#### 10. UNIT Wt/Vol.

#### 11. TEXAS WASTE ID #

#### 13. WASTE PROFILE NO.

506523

#### 14. IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME PHONE NO. 24-HOUR EMERGENCY NO.

Kim Slaughter 575-887-4048

15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

#### PRINTED/TYPED NAME

#### SIGNATURE

#### DATE

#### 16. TRANSPORTER (1)

NAME: Taton LFE

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT: Tom Dewey

EMERGENCY PHONE: (575) 887-4048

#### 17. TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

#### 18. TRANSPORTER (1): Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE DATE 11/24/09

#### 19. TRANSPORTER (2): Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE DATE

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Lea Land, LLC

#### ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

#### PHONE:

505-887-4048

#### PERMIT NO.

WM-01-035 - New Mexico

#### 20. COMMENTS

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

#### AUTHORIZED SIGNATURE

#### CELL NO.

#### DATE

11/24/09

#### TIME

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

Alfredo's

### NON-HAZARDOUS WASTE MANIFEST

NO 071296

1. PAGE OF

2. TRAILER NO. A-7

GENERATOR'S CERTIFICATION

3. COMPANY NAME BP America Production Company PHONE NO.	4. ADDRESS 1945 Bluestem Road CITY STATE ZIP Artesia NM 88210	5. PICK-UP DATE 11/24/09
6. TNRCC I.D. NO.		
7. NAME OR DESCRIPTION OF WASTE SHIPPED: a. Non-Regulated, Non Hazardous Waste b. c. d. WT: 25780	8. CONTAINERS No. Type 1 CM	9. TOTAL QUANTITY 10. UNIT Wt/Vol 11. TEXAS WASTE ID #
12. COMMENTS OR SPECIAL INSTRUCTIONS: RIVERWOLF # 10		13. WASTE PROFILE NO. 606523
14. IN CASE OF EMERGENCY OR SPILL, CONTACT NAME PHONE NO 24-HOUR EMERGENCY NO. Kin Slaughter 575-887-4048		
15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC		
PRINTED/TYPED NAME	SIGNATURE	DATE

TRANSPORTERS

16. TRANSPORTER (1) NAME: Talon LPE TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: Tom Derry EMERGENCY PHONE: (575) 602-3828	17. TRANSPORTER (2) NAME: TEXAS I.D. NO. IN CASE OF EMERGENCY CONTACT: EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material PRINTED/TYPED NAME: Hilda Villa SIGNATURE: Hilda Villa DATE: 11/24/09	19. TRANSPORTER (2): Acknowledgment of receipt of material PRINTED/TYPED NAME: SIGNATURE: DATE:

DISPOSAL SITE

Lea Land, LLC	ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: 505-887-4048
PERMIT NO. WM-01-035 - New Mexico	20. COMMENTS	
21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.		
AUTHORIZED SIGNATURE [Signature]	CELL NO.	DATE 11/24/09 TIME 10:35

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

R105

**NON-HAZARDOUS WASTE MANIFEST**

NO **071295**

1. PAGE    OF   

2. TRAILER NO. **330**

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3. COMPANY NAME  
BP America Production Company  
PHONE NO.                     

4. ADDRESS  
1045 Bluestem Road  
CITY Artesia STATE NM ZIP 88210

5. PICK-UP DATE  
11/24/09  
6. TNRCC I.D. NO.                     

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

8. CONTAINERS  
No. Type

9. TOTAL  
QUANTITY

10. UNIT  
Wt/Vol

11. TEXAS  
WASTE ID #

a. Non-Regulated, Non-Hazardous Waste

1

CM

b.                     

c.                     

d. WT: 26.380

12. COMMENTS OR SPECIAL INSTRUCTIONS:

RIVERWOLF # 10

13. WASTE PROFILE NO.

606523

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

NAME

PHONE NO

24-HOUR EMERGENCY NO.

Kim Slaughter

575-887-4040

15. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME

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16. **TRANSPORTER (1)**

NAME:

Talon LFE

TEXAS I.D. NO.                     

IN CASE OF EMERGENCY CONTACT:

Tom Dewey

EMERGENCY PHONE:

(575) 602-3820

17. **TRANSPORTER (2)**

NAME:

TEXAS I.D. NO.                     

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:                     

18. **TRANSPORTER (1):** Acknowledgment of receipt of material

PRINTED/TYPED NAME

Franky Rios

SIGNATURE

Franky Rios

DATE

11/24/09

19. **TRANSPORTER (2):** Acknowledgment of receipt of material

PRINTED/TYPED NAME                     

SIGNATURE                     

DATE                     

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Lea Land, LLC

ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

PHONE:

505-887-4048

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

Lea Land, LLC

CELL NO.                     

DATE

11/24/09

TIME

10:35



# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

**NON-HAZARDOUS WASTE MANIFEST**

NO **071294**

1. PAGE    OF   

2. TRAILER NO.   

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3. COMPANY NAME

EP America Production Company  
PHONE NO.                     

4. ADDRESS

1045 Bluestem Road

CITY

STATE

ZIP

Artesia

NM

88210

5. PICK-UP DATE

11/24/09

6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:

a. Non-Regulated, Non Hazardous Waste

b.                     

c.                     

d. wt: 22020

8. CONTAINERS  
No. Type

1

CM

9. TOTAL  
QUANTITY

10. UNIT  
Wt/Vol.

11. TEXAS  
WASTE ID #

12. COMMENTS OR SPECIAL INSTRUCTIONS:

RIVERWOLF # 10

13. WASTE PROFILE NO.

606523

14. IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME

PHONE NO

24-HOUR EMERGENCY NO.

Kim Slaughter

575-887-4048

15. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME

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16. TRANSPORTER (1)

NAME:

Talon LEE

TEXAS I.D. NO.

Tom Dewey

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

(575) 802-3826

17. TRANSPORTER (2)

NAME:

TEXAS I.D. NO.

IN CASE OF EMERGENCY CONTACT:

EMERGENCY PHONE:

18. TRANSPORTER (1): Acknowledgment of receipt of material

PRINTED/TYPED NAME

Kim Galindo

SIGNATURE

*Kim Galindo*

DATE

11/24/09

19. TRANSPORTER (2): Acknowledgment of receipt of material

PRINTED/TYPED NAME

SIGNATURE

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Lea Land, LLC

ADDRESS:

Mile Marker 64, U.S. Hwy 62/180,  
30 Miles East of Carlsbad, NM

PHONE:

505-887-4048

PERMIT NO.

WM-01-035 - New Mexico

20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE

*Kim Galindo*

CELL NO.

DATE 11/24/09

TIME

10:15