

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

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

RECEIVED

MAR 12 2015

NMOCD

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: BP	Contact: Jeff Peace
Address: 200 Energy Court, Farmington, NM 87401	Telephone No.: 505-326-9479
Facility Name: Russell LS 4	Facility Type: Natural gas well

Surface Owner: Federal	Mineral Owner: Federal	API No. 3004507319
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LOCATION OF RELEASE

Unit Letter G	Section 24	Township 28N	Range 8W	Feet from the 1,500	North/South Line North	Feet from the 1,650	East/West Line East	County: San Juan
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Latitude 36.65003 Longitude 107.62940

NATURE OF RELEASE

Type of Release: oil/condensate	Volume of Release: unknown	Volume Recovered: none
Source of Release: below grade tank - 95 bbl	Date and Hour of Occurrence: unknown	Date and Hour of Discovery: September 4, 2008; 7:40 AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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.\* Sampling of the soil beneath the BGT was done during removal to ensure no soil impacts from the BGT. Soil analysis resulted in BTEX and chloride below standards. TPH was 872 ppm by Method 418.1 and was 514 ppm by Method 8015B.

Describe Area Affected and Cleanup Action Taken.\* BGT was removed and the area underneath the BGT was sampled. Sampling results indicate a minor release occurred in soil at five feet depth. Impacted soil was removed to six feet depth and soil was sampled again. TPH was 105 ppm by Method 418.1 and was non-detect by Method 8015B. The cleanup standard for this site was determined to be 1,000 ppm TPH. Final soil analysis data are attached. The area under the BGT was backfilled and compacted and has been reclaimed since the well was plugged and abandoned.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <i>Jeff Peace</i>	OIL CONSERVATION DIVISION	
Printed Name: Jeff Peace	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Field Environmental Coordinator	Approval Date: 4/30/15	Expiration Date:
E-mail Address: peace.jeffrey@bp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: March 10, 2015	Phone: 505-326-9479	

\* Attach Additional Sheets If Necessary

#NCS 151212 7099

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Client:	Blagg/BP	Project #:	94034-0010
Sample ID:	95 BGT 5-pt @ 6'	Date Reported:	12-10-08
Laboratory Number:	48372	Date Sampled:	12-02-08
Chain of Custody No:	5849	Date Received:	12-03-08
Sample Matrix:	Soil	Date Extracted:	12-05-08
Preservative:	Cool	Date Analyzed:	12-05-08
Condition:	Intact	Analysis Needed:	TPH-418.1

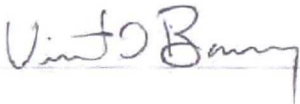
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	105	5.0

ND = Parameter not detected at the stated detection limit.

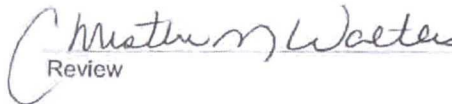
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Russell LS #4.**

Analyst



Review



**EPA METHOD 8015 Modified**  
**Nonhalogenated Volatile Organics**  
**Total Petroleum Hydrocarbons**

Client:	Blagg/BP	Project #:	94034-0010
Sample ID:	95 BGT 5-pt @ 6'	Date Reported:	12-10-08
Laboratory Number:	48372	Date Sampled:	12-02-08
Chain of Custody No:	5849	Date Received:	12-03-08
Sample Matrix:	Soil	Date Extracted:	12-08-08
Preservative:	Cool	Date Analyzed:	12-09-08
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Russell LS #4**

Analyst

Review

Client:	Blagg/BP	Project #:	94034-0010
Sample ID:	95 BGT 5-pt @ 6'	Date Reported:	12-10-08
Laboratory Number:	48372	Date Sampled:	12-02-08
Chain of Custody:	5849	Date Received:	12-03-08
Sample Matrix:	Soil	Date Analyzed:	12-09-08
Preservative:	Cool	Date Extracted:	12-08-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	4.1	0.9
Toluene	4.6	1.0
Ethylbenzene	1.1	1.0
p,m-Xylene	2.0	1.2
o-Xylene	2.2	0.9
<b>Total BTEX</b>	<b>13.9</b>	

ND - Parameter not detected at the stated detection limit.

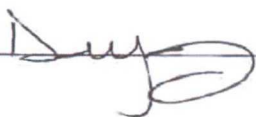
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

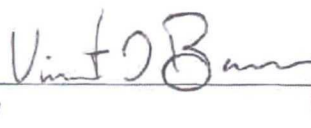
Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Russell LS #4**

Analyst



Review







**envirotech**  
Analytical Laboratory

**Chloride**

Client:	Blagg/BP	Project #:	94034-0010
Sample ID:	95 BGT 5-pt @ 6'	Date Reported:	12-10-08
Lab ID#:	48372	Date Sampled:	12-02-08
Sample Matrix:	Soil	Date Received:	12-03-08
Preservative:	Cool	Date Analyzed:	12-09-08
Condition:	Intact	Chain of Custody:	5849

Parameter	Concentration (mg/Kg)
Total Chloride	20.0

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.  
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Russell LS #4.**

Analyst

*V. J. B. [Signature]*

Review

*Christine M. Walters [Signature]*



**envirotech**  
Analytical Laboratory

**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS  
QUALITY ASSURANCE REPORT**

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	12-09-08
Laboratory Number:	12-05-TPH.QA/QC 48392	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	12-05-08
Preservative:	N/A	Date Extracted:	12-05-08
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	12-03-08	12-05-08	1,590	1,520	4.4%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	31.8

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	83.9	89.0	6.1%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	83.9	2,000	1,970	94.5%	80 - 120%

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: QA/QC for Samples 48367, 48369 - 48374 and 48392.

Analyst

*Vinito B. B...*

Review

*Christine M. Walters*

**EPA Method 8015 Modified**  
**Nonhalogenated Volatile Organics**  
**Total Petroleum Hydrocarbons**

**Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	12-09-08 QA/QC	Date Reported:	12-10-08
Laboratory Number:	48361	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-09-08
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	05-07-07	1.0005E+003	1.0009E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	1.0029E+003	1.0033E+003	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	246	98.4%	75 - 125%
Diesel Range C10 - C28	ND	250	248	99.2%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 48361, 48362, and 48371 - 48376.

Analyst

Review

Client:	N/A	Project #:	N/A
Sample ID:	12-09-BT QA/QC	Date Reported:	12-10-08
Laboratory Number:	48361	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-09-08
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff. Accept. Range 0 - 15%	Blank Conc	Detect. Limit
Benzene	1.5115E+006	1.5146E+006	0.2%	ND	0.1
Toluene	1.4586E+006	1.4615E+006	0.2%	ND	0.1
Ethylbenzene	1.3301E+006	1.3327E+006	0.2%	ND	0.1
p,m-Xylene	3.2504E+006	3.2569E+006	0.2%	ND	0.1
o-Xylene	1.3937E+006	1.3965E+006	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	4.7	4.5	4.3%	0 - 30%	0.9
Toluene	13.1	13.5	3.1%	0 - 30%	1.0
Ethylbenzene	6.1	6.0	1.6%	0 - 30%	1.0
p,m-Xylene	48.8	48.7	0.2%	0 - 30%	1.2
o-Xylene	8.6	8.6	0.0%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	4.7	50.0	52.7	96.3%	39 - 150
Toluene	13.1	50.0	61.8	97.9%	46 - 148
Ethylbenzene	6.1	50.0	54.1	96.4%	32 - 160
p,m-Xylene	48.8	100	144	96.5%	46 - 148
o-Xylene	8.6	50.0	61.0	104%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.  
 Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996

Comments: QA/QC for Samples 48361, 48363 - 48366, 48371 - 48374, and 48383.

Analyst

Review



# CHAIN OF CUSTODY RECORD

5849

Client: BLAGG/SP			Project Name / Location: RUSSEN LS #4			ANALYSIS / PARAMETERS													
Client Address:			Sampler Name: J. BLAGG			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	PCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.:			Client No.: 94034-010																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative H <sub>2</sub> O <sub>2</sub> HCl													
95 BOT S-PE 26	12/3/03	1130	48372	Soil Solid	Sludge Aqueous	1-40%												X	X
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
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				Soil Solid	Sludge Aqueous														
				Soil Solid	Sludge Aqueous														
Relinquished by: (Signature) <i>[Signature]</i>				Date 12/3/06	Time 1305	Received by: (Signature) <i>[Signature]</i>				Date 12-3-08	Time 1305								
Relinquished by: (Signature)						Received by: (Signature)													
Relinquished by: (Signature)						Received by: (Signature)													

**ENVIROTECH INC.**  
 5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505-632-0615