

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

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised August 8, 2011

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

**Release Notification and Corrective Action**

**OPERATOR**

☐ Initial Report ☒ Final Report

Name of Company: BP America Production Company	Contact: Courtney Cochran
Address: 200 Energy Ct. Farmington, NM 87401	Telephone No.: 505-326-9457
Facility Name: GCU 110E	Facility Type: Natural Gas Well Location

Surface Owner: Private	Mineral Owner: Federal	API No.: 3004523905
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**LOCATION OF RELEASE**

Unit Letter: I	Section: 19	Township: 29N	Range: 12W	Feet from the: 1970	North/South Line: South	Feet from the: 640	East/West Line: East	County: San Juan
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**OIL CONS. DIV DIST. 3**

Latitude 36.71026 Longitude 108.13318

**DEC 17 2014**

**NATURE OF RELEASE**

Type of Release: Produced Water	Volume of Release: 12 bbls.	Volume Recovered: 10 bbls.
Source of Release: water tank	Date and Hour of Occurrence: 11/4/14	Date and Hour of Discovery: 11/4/14 6 pm
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.\*


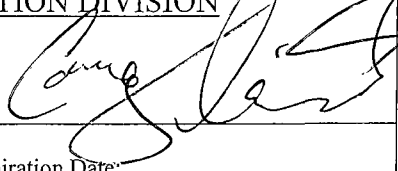
Describe Cause of Problem and Remedial Action Taken.\*

Water truck driver arrived on location and found water tank overflowing. Produced water from the field to the location was secured. All standing water recovered from the secondary containment area. Water tank was emptied.

Describe Area Affected and Cleanup Action Taken.\*

The majority of the produced water was recovered. Only the area inside the containment was impacted. Field personnel directed to rake soil/gravel within containment to break up any residual staining. Laboratory analysis was conducted. BTEX was non-detect; however, the chloride was high. Two 50 lb. bags of gypsum will be applied to the affected area in reference to the high chloride. Laboratory analysis is included with this report.

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: Courtney Cochran	Approved by Environmental Specialist: 	
Title: Environmental Coordinator	Approval Date: 11/13/15	Expiration Date:
E-mail Address: Courtney.Cochran@bp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 12/16/14 Phone: 505-326-9457		

\* Attach Additional Sheets If Necessary

#NCS 15013 34438

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## Analytical Report

### Report Summary

Client: BP America Production Co.  
Chain Of Custody Number: 17567  
Samples Received: 12/3/2014 1:40:00PM  
Job Number: 03143-0424  
Work Order: P412016  
Project Name/Location: GCU 110E

Entire Report Reviewed By:

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

Date: 12/9/14

Tim Cain, Laboratory Manager

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



BP America Production Co.  
PO Box 22024  
Tulsa OK, 74121-2024

Project Name: GCU 110E  
Project Number: 03143-0424  
Project Manager: Jeff Blagg

Reported:  
09-Dec-14 14:20

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Tank Overflow Surface Grab 3-Point	P412016-01A	Soil	12/03/14	12/03/14	Glass Jar, 4 oz.

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: GCU 110E Project Number: 03143-0424 Project Manager: Jeff Blagg	Reported: 09-Dec-14 14:20
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**Tank Overflow Surface Grab 3-Point  
P412016-01 (Solid)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	0.10	mg/kg	1	1449028	12/03/14	12/04/14	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1449028	12/03/14	12/04/14	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1449028	12/03/14	12/04/14	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1449028	12/03/14	12/04/14	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1449028	12/03/14	12/04/14	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1449028	12/03/14	12/04/14	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1449028	12/03/14	12/04/14	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		102 %		50-150	1449028	12/03/14	12/04/14	EPA 8021B	
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	ND	9.99	mg/kg	1	1449028	12/03/14	12/04/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1449029	12/04/14	12/04/14	EPA 8015D	
Surrogate: o-Terphenyl		104 %		50-200	1449029	12/04/14	12/04/14	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		91.8 %		50-150	1449028	12/03/14	12/04/14	EPA 8015D	
<b>Cation/Anion Analysis</b>									
Chloride	4890	9.92	mg/kg	1	1449030	12/04/14	12/04/14	EPA 300.0	

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BP America Production Co.	Project Name:	GCU 110E	Reported: 09-Dec-14 14:20
PO Box 22024	Project Number:	03143-0424	
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	

### Volatile Organics by EPA 8021 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 1449028 - Purge and Trap EPA 5030A

Blank (1449028-BLK1)				Prepared: 03-Dec-14 Analyzed: 04-Dec-14						
Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10	"							
Ethylbenzene	ND	0.10	"							
p,m-Xylene	ND	0.20	"							
o-Xylene	ND	0.10	"							
Total Xylenes	ND	0.10	"							
Total BTEX	ND	0.10	"							
Surrogate: 4-Bromochlorobenzene-PID	0.419		"	0.400		105	50-150			

LCS (1449028-BS1)				Prepared: 03-Dec-14 Analyzed: 04-Dec-14						
Benzene	18.2	0.10	mg/kg	20.0		91.2	75-125			
Toluene	18.6	0.10	"	20.0		93.1	70-125			
Ethylbenzene	18.5	0.10	"	20.0		92.8	75-125			
p,m-Xylene	38.0	0.20	"	39.9		95.2	80-125			
o-Xylene	18.8	0.10	"	20.0		94.0	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.432		"	0.399		108	50-150			

Matrix Spike (1449028-MS1)				Source: P412014-01		Prepared: 03-Dec-14 Analyzed: 04-Dec-14				
Benzene	18.6	0.10	mg/kg	19.9	ND	93.3	75-125			
Toluene	19.0	0.10	"	19.9	ND	95.1	70-125			
Ethylbenzene	19.2	0.10	"	19.9	ND	96.0	75-125			
p,m-Xylene	39.1	0.20	"	39.9	ND	98.1	80-125			
o-Xylene	19.2	0.10	"	19.9	ND	96.5	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.417		"	0.399		105	50-150			

Matrix Spike Dup (1449028-MSD1)				Source: P412014-01		Prepared: 03-Dec-14 Analyzed: 04-Dec-14				
Benzene	20.0	0.10	mg/kg	20.0	ND	100	75-125	7.41	15	
Toluene	20.3	0.10	"	20.0	ND	102	70-125	7.09	15	
Ethylbenzene	20.5	0.10	"	20.0	ND	102	75-125	6.60	15	
p,m-Xylene	41.8	0.20	"	39.9	ND	105	80-125	6.46	15	
o-Xylene	20.5	0.10	"	20.0	ND	103	75-125	6.57	15	
Surrogate: 4-Bromochlorobenzene-PID	0.409		"	0.399		102	50-150			

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BP America Production Co.	Project Name:	GCU 110E	Reported: 09-Dec-14 14:20
PO Box 22024	Project Number:	03143-0424	
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	

### Nonhalogenated Organics by 8015 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1449028 - Purge and Trap EPA 5030A</b>										
<b>Blank (1449028-BLK1)</b>				Prepared: 03-Dec-14 Analyzed: 04-Dec-14						
Gasoline Range Organics (C6-C10)	ND	10.0	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.375		"	0.400		93.8	50-150			
<b>LCS (1449028-BS1)</b>				Prepared: 03-Dec-14 Analyzed: 04-Dec-14						
Gasoline Range Organics (C6-C10)	276	9.98	mg/kg	291		94.5	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.385		"	0.399		96.4	50-150			
<b>Matrix Spike (1449028-MS1)</b>				Source: P412014-01		Prepared: 03-Dec-14 Analyzed: 04-Dec-14				
Gasoline Range Organics (C6-C10)	272	9.97	mg/kg	291	ND	93.4	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.376		"	0.399		94.3	50-150			
<b>Matrix Spike Dup (1449028-MSD1)</b>				Source: P412014-01		Prepared: 03-Dec-14 Analyzed: 04-Dec-14				
Gasoline Range Organics (C6-C10)	289	9.98	mg/kg	292	ND	99.3	75-125	6.23	15	
Surrogate: 4-Bromochlorobenzene-FID	0.370		"	0.399		92.6	50-150			

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BP America Production Co.	Project Name:	GCU 110E	Reported: 09-Dec-14 14:20
PO Box 22024	Project Number:	03143-0424	
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	

### Nonhalogenated Organics by 8015 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1449029 - DRO Extraction EPA 3550M</b>										
<b>Blank (1449029-BLK1)</b>				Prepared: 03-Dec-14 Analyzed: 04-Dec-14						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	45.2		"	39.9		113	50-200			
<b>LCS (1449029-BS1)</b>				Prepared: 03-Dec-14 Analyzed: 04-Dec-14						
Diesel Range Organics (C10-C28)	477	25.0	mg/kg	500		95.4	38-132			
Surrogate: o-Terphenyl	40.6		"	40.0		102	50-200			
<b>Matrix Spike (1449029-MS1)</b>				Source: P412014-01		Prepared: 03-Dec-14 Analyzed: 04-Dec-14				
Diesel Range Organics (C10-C28)	429	25.0	mg/kg	499	ND	85.8	38-132			
Surrogate: o-Terphenyl	35.8		"	39.9		89.6	50-200			
<b>Matrix Spike Dup (1449029-MSD1)</b>				Source: P412014-01		Prepared: 03-Dec-14 Analyzed: 04-Dec-14				
Diesel Range Organics (C10-C28)	423	25.0	mg/kg	500	ND	84.7	38-132	1.23	20	
Surrogate: o-Terphenyl	36.0		"	40.0		90.0	50-200			

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BP America Production Co.	Project Name:	GCU 110E	
PO Box 22024	Project Number:	03143-0424	Reported:
Tulsa OK, 74121-2024	Project Manager:	Jeff Blagg	09-Dec-14 14:20

### Cation/Anion Analysis - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1449030 - Anion Extraction EPA 300.0</b>										
<b>Blank (1449030-BLK1)</b>				Prepared & Analyzed: 04-Dec-14						
Chloride	ND	9.87	mg/kg							
<b>LCS (1449030-BS1)</b>				Prepared & Analyzed: 04-Dec-14						
Chloride	483	9.92	mg/kg	496		97.4	90-110			
<b>Matrix Spike (1449030-MS1)</b>				Source: P412014-01		Prepared & Analyzed: 04-Dec-14				
Chloride	472	99.0	mg/kg	495	ND	95.4	80-120			
<b>Matrix Spike Dup (1449030-MSD1)</b>				Source: P412014-01		Prepared & Analyzed: 04-Dec-14				
Chloride	473	98.7	mg/kg	494	ND	95.9	80-120	0.215	20	

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Project Name: GCU 110E  
Project Number: 03143-0424  
Project Manager: Jeff Blagg

**Reported:**  
09-Dec-14 14:20

#### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference

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# CHAIN OF CUSTODY RECORD

17567

Client: <b>BP AMERICA</b>		Project Name / Location: <b>GCU 110E</b>				ANALYSIS / PARAMETERS													
Email results to: <b>JEFF PEACE</b> <b>JEFF BLAKE Nelson Velez</b>		Sampler Name: <b>J. Blake</b>				TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.: <b>505-320-1103</b>		Client No.: <b>03143-0424</b>																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative														
					HNO <sub>3</sub>	HCl													
<b>TANK OVERFLOW</b> <b>Surface Grab 3-point</b>	<b>12/3/2014</b>	<b>1330</b>	<b>P412016-01</b>	<b>1 x 4oz</b>				<b>X</b>	<b>X</b>									<b>X</b>	<b>X</b>
Relinquished by: (Signature) <i>Jeff Blake</i>				Date <b>12/3/2014</b>	Time <b>1340</b>	Received by: (Signature) <i>Mariano</i>				Date <b>12-3-14</b>	Time <b>13:40</b>								
Relinquished by: (Signature)						Received by: (Signature)													
Sample Matrix																			
Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																			
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area. <div style="text-align: center; font-size: 24pt;">13.7</div>				<div style="display: flex; align-items: center;"> <div> <b>envirotech</b>  Analytical Laboratory </div> <div style="margin-left: 20px;"> <b>Bill BP</b>  <b>WORKORDER: N15553698</b> </div> </div>															
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