

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

Form C-141  
Revised August 8, 2011

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

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	Contact: Will Shutt
Address: 200 Energy Court, Farmington, NM 87401	Telephone No.: (713) 259-9799
Facility Name: Trigg Federal C-1	Facility Type: Natural Gas Well

Surface Owner: Federal	Mineral Owner: Federal	API No.: 3004528157
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**LOCATION OF RELEASE**

Unit Letter L	Section 25	Township 31N	Range 9W	Feet from the 2000	North/South Line South	Feet from the 1000	East/West Line East	County San Juan
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Latitude: 36.867949 Longitude: -107.73837

**NATURE OF RELEASE**

Type of Release: Produced Water	Volume of Release: 185 bbl	Volume Recovered: 175 bbl
Source of Release: Produced Water Tank	Date and Hour of Occurrence: estimated at 7/13/2015, 11:00 PM	Date and Hour of Discovery: 7/14/2015, 7:30 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? 1) NMOCD Emergency Line 2) Cory Smith, NMOCD Aztec Office 3) BLM, Sherry Ketcham	
By Whom? Will Shutt	Date and Hour: NMOCD Emergency Line – 7/14/2015, 9:38 am Cory Smith – 7/14/2015, 9:48 am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

**OIL CONS. DIV DIST. 3**

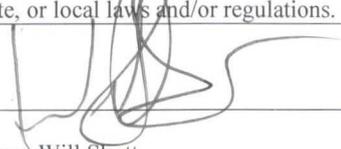
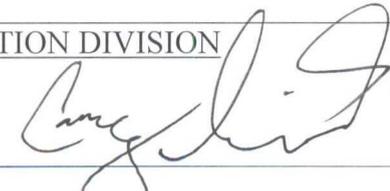
**JUL 23 2015**

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\* Weatherford employee was driving through the Trigg Fed C1 location and saw water on the ground and the water tank over-flowing. He immediately notified the BP field tech. The well was shut in to cease production. Vacuum trucks were called to remove standing liquids.

Describe Area Affected and Cleanup Action Taken.\* The produced water was mostly held within the tank berm. Soil was sampled once the standing water was removed. Remediation will be done based on soil analyses results.

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: Will Shutt	Approved by Environmental Specialist: 	
Title: Air Engineer	Approval Date: 8/12/15	Expiration Date:
E-mail Address: william.shutt@bp.com	Conditions of Approval:	
Date: 7/22/2015      Phone: 713-259-9799	Attached <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary

#NCS 1520543397



Well Pad #1  
Composite Sample Area

Well Pad #2  
Composite Sample Area

Tank Berm  
Sample Area

Trigg Fed C 1

Red Outline Designates  
Extent of Water Spill

Google earth

100 ft





## Analytical Report

### Report Summary

Client: BP America Production Co.

Chain Of Custody Number:

Samples Received: 7/15/2015 3:26:00PM

Job Number: 03143-0424

Work Order: P507026

Project Name/Location: Trigg Federal C 1

Entire Report Reviewed By:

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

Date: 7/17/15

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: Trigg Federal C 1 Project Number: 03143-0424 Project Manager: Jeff Blagg	Reported: 17-Jul-15 15:00
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### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Background 5-pt Comp	P507026-01A	Soil	07/14/15	07/15/15	Glass Jar, 4 oz.
Tank Berm Area 5-pt Comp	P507026-02A	Soil	07/14/15	07/15/15	Glass Jar, 4 oz.
Well Pad #1 5-pt Comp	P507026-03A	Soil	07/14/15	07/15/15	Glass Jar, 4 oz.
Well Pad #2 5-pt Comp	P507026-04A	Soil	07/14/15	07/15/15	Glass Jar, 4 oz.

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: Trigg Federal C 1 Project Number: 03143-0424 Project Manager: Jeff Blagg	<b>Reported:</b> 17-Jul-15 15:00
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**Background 5-pt Comp  
P507026-01 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Cation/Anion Analysis**

Chloride	ND	9.98	mg/kg	1	1529019	07/16/15	07/16/15	EPA 300.0	
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**Tank Berm Area 5-pt Comp  
P507026-02 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.5 %		50-150	1529012	07/15/15	07/15/15	EPA 8021B	
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	ND	9.99	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	35.0	mg/kg	1	1529013	07/15/15	07/16/15	EPA 8015D	
<i>Surrogate: o-Terphenyl</i>		145 %		50-200	1529013	07/15/15	07/16/15	EPA 8015D	
<i>Surrogate: 4-Bromochlorobenzene-FID</i>		83.7 %		50-150	1529012	07/15/15	07/15/15	EPA 8015D	
<b>Cation/Anion Analysis</b>									
Chloride	291	9.94	mg/kg	1	1529019	07/16/15	07/16/15	EPA 300.0	

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**Well Pad #1 5-pt Comp  
P507026-03 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.6 %		50-150	1529012	07/15/15	07/15/15	EPA 8021B	
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	ND	9.98	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8015D	
Diesel Range Organics (C10-C28)	<b>70.9</b>	35.0	mg/kg	1	1529013	07/15/15	07/16/15	EPA 8015D	
<i>Surrogate: o-Terphenyl</i>		124 %		50-200	1529013	07/15/15	07/16/15	EPA 8015D	
<i>Surrogate: 4-Bromochlorobenzene-FID</i>		83.9 %		50-150	1529012	07/15/15	07/15/15	EPA 8015D	
<b>Cation/Anion Analysis</b>									
Chloride	<b>525</b>	9.92	mg/kg	1	1529019	07/16/15	07/16/15	EPA 300.0	

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BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: Trigg Federal C 1 Project Number: 03143-0424 Project Manager: Jeff Blagg	Reported: 17-Jul-15 15:00
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**Well Pad #2 5-pt Comp  
P507026-04 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.4 %		50-150	1529012	07/15/15	07/15/15	EPA 8021B	
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	ND	9.97	mg/kg	1	1529012	07/15/15	07/15/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	35.0	mg/kg	1	1529013	07/15/15	07/16/15	EPA 8015D	
<i>Surrogate: o-Terphenyl</i>		107 %		50-200	1529013	07/15/15	07/16/15	EPA 8015D	
<i>Surrogate: 4-Bromochlorobenzene-FID</i>		84.0 %		50-150	1529012	07/15/15	07/15/15	EPA 8015D	
<b>Cation/Anion Analysis</b>									
Chloride	624	9.95	mg/kg	1	1529019	07/16/15	07/16/15	EPA 300.0	

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

 Project Name: Trigg Federal C 1  
 Project Number: 03143-0424  
 Project Manager: Jeff Blagg

**Reported:**  
 17-Jul-15 15:00

**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 1529012 - Purge and Trap EPA 5030A**
**Blank (1529012-BLK1)**

Prepared &amp; Analyzed: 14-Jul-15

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	"							
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>0.289</i>		<i>"</i>	<i>0.320</i>		<i>90.3</i>	<i>50-150</i>			

**LCS (1529012-BS1)**

Prepared &amp; Analyzed: 14-Jul-15

Benzene	20.5	0.10	mg/kg	20.0		102	75-125			
Toluene	21.2	0.10	"	20.0		106	70-125			
Ethylbenzene	21.3	0.10	"	20.0		107	75-125			
p,m-Xylene	42.5	0.20	"	40.0		106	80-125			
o-Xylene	20.7	0.10	"	20.0		104	75-125			
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>0.290</i>		<i>"</i>	<i>0.320</i>		<i>90.6</i>	<i>50-150</i>			

**Matrix Spike (1529012-MS1)**

Source: P507021-01

Prepared &amp; Analyzed: 14-Jul-15

Benzene	20.8	0.10	mg/kg	20.0	ND	104	75-125			
Toluene	21.6	0.10	"	20.0	ND	108	70-125			
Ethylbenzene	21.8	0.10	"	20.0	ND	109	75-125			
p,m-Xylene	43.4	0.20	"	40.0	ND	108	80-125			
o-Xylene	21.1	0.10	"	20.0	ND	106	75-125			
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>0.291</i>		<i>"</i>	<i>0.320</i>		<i>90.8</i>	<i>50-150</i>			

**Matrix Spike Dup (1529012-MSD1)**

Source: P507021-01

Prepared &amp; Analyzed: 14-Jul-15

Benzene	16.1	0.10	mg/kg	20.0	ND	80.5	75-125	25.7	15	D1
Toluene	16.5	0.10	"	20.0	ND	82.7	70-125	26.5	15	D1
Ethylbenzene	16.6	0.10	"	20.0	ND	82.9	75-125	27.0	15	D1
p,m-Xylene	33.2	0.20	"	40.0	ND	83.0	80-125	26.6	15	D1
o-Xylene	16.4	0.10	"	20.0	ND	82.1	75-125	25.2	15	D1
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>0.289</i>		<i>"</i>	<i>0.320</i>		<i>90.4</i>	<i>50-150</i>			

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**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 1529012 - Purge and Trap EPA 5030A</b>										
<b>Blank (1529012-BLK1)</b>				Prepared & Analyzed: 14-Jul-15						
Gasoline Range Organics (C6-C10)	ND	10.0	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.272		"	0.320		84.9	50-150			
<b>LCS (1529012-BS1)</b>				Prepared & Analyzed: 14-Jul-15						
Gasoline Range Organics (C6-C10)	385	10.0	mg/kg	368		105	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.272		"	0.320		85.0	50-150			
<b>Matrix Spike (1529012-MS1)</b>				Source: P507021-01		Prepared & Analyzed: 14-Jul-15				
Gasoline Range Organics (C6-C10)	393	10.0	mg/kg	368	ND	107	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.272		"	0.320		85.1	50-150			
<b>Matrix Spike Dup (1529012-MSD1)</b>				Source: P507021-01		Prepared & Analyzed: 14-Jul-15				
Gasoline Range Organics (C6-C10)	304	10.0	mg/kg	368	ND	82.6	75-125	25.6	15	D1
Surrogate: 4-Bromochlorobenzene-FID	0.273		"	0.320		85.4	50-150			

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5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com  
laboratory@envirotech-inc.com



BP America Production Co. PO Box 22024 Tulsa OK, 74121-2024	Project Name: Trigg Federal C 1 Project Number: 03143-0424 Project Manager: Jeff Blagg	Reported: 17-Jul-15 15:00
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**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 1529013 - DRO Extraction EPA 3550M</b>										
<b>Blank (1529013-BLK1)</b>				Prepared & Analyzed: 14-Jul-15						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: <i>o</i> -Terphenyl	47.7		"	40.0		119	50-200			
<b>LCS (1529013-BS1)</b>				Prepared & Analyzed: 14-Jul-15						
Diesel Range Organics (C10-C28)	542	25.0	mg/kg	500		108	38-132			
Surrogate: <i>o</i> -Terphenyl	49.9		"	40.0		125	50-200			
<b>Matrix Spike (1529013-MS1)</b>				Source: P507021-01		Prepared & Analyzed: 14-Jul-15				
Diesel Range Organics (C10-C28)	545	35.0	mg/kg	500	ND	109	38-132			
Surrogate: <i>o</i> -Terphenyl	46.5		"	40.0		116	50-200			
<b>Matrix Spike Dup (1529013-MSD1)</b>				Source: P507021-01		Prepared & Analyzed: 14-Jul-15				
Diesel Range Organics (C10-C28)	533	35.0	mg/kg	500	ND	107	38-132	2.25	20	
Surrogate: <i>o</i> -Terphenyl	48.0		"	40.0		120	50-200			

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**Cation/Anion Analysis - 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 1529019 - Anion Extraction EPA 300.0**

<b>Blank (1529019-BLK1)</b>				Prepared & Analyzed: 16-Jul-15						
Chloride	ND	9.87	mg/kg							
<b>LCS (1529019-BS1)</b>				Prepared & Analyzed: 16-Jul-15						
Chloride	512	9.91	mg/kg	496		103	90-110			
<b>Matrix Spike (1529019-MS1)</b>				Source: P507026-01 Prepared & Analyzed: 16-Jul-15						
Chloride	531	9.97	mg/kg	499	ND	107	80-120			
<b>Matrix Spike Dup (1529019-MSD1)</b>				Source: P507026-01 Prepared & Analyzed: 16-Jul-15						
Chloride	530	9.95	mg/kg	498	ND	106	80-120	0.203	20	

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**Notes and Definitions**

- D1 Duplicates or Matrix Spike Duplicates Relative Percent Difference is outside of control limits.
- 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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