

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 Production Company	Contact: Courtney Cochran
Address: 200 Energy Ct. Farmington, NM 87401	Telephone No.: 505-326-9457
Facility Name: GCU 170E	Facility Type: Natural Gas Well

Surface Owner: Fee	Mineral Owner: Fee	API No.: 3004524175
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LOCATION OF RELEASE

RCVD OCT 1 '14
OIL CONSERV DIV.
County: San Juan

Unit Letter: E	Section: 35	Township: T29N	Range: 12W	Feet from the: 1755	North/South Line: North	Feet from the: 910	East/West Line: West	DIST. 3
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Latitude 36.68542 Longitude 108.07462

RCVD OCT 1 '14

NATURE OF RELEASE

Type of Release: Liquid Hydrocarbon – historical in nature	Volume of Release: unknown	Volume Recovered: none
Source of Release: unknown	Date and Hour of Occurrence: unknown – historical in nature	Date and Hour of Discovery: 9/25/2014
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.*

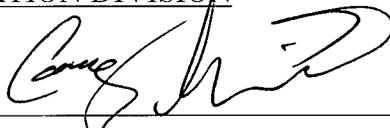
Describe Cause of Problem and Remedial Action Taken.*

During construction activities on-site obviously hydrocarbon impacted soil was discovered at approximately 2 ft. below grade. A preliminary investigation was conducted with a backhoe. Twelve test holes were dug and eight samples collected. Preliminary laboratory analysis is included with this report. The approximate size of the impacted area measures 35x65 feet. The average thickness of impacts is estimated to be 6 feet. Groundwater is estimated at 5.5 feet below grade and appears to flow north.

Describe Area Affected and Cleanup Action Taken.*

The impacted area appears to be situated primarily in the center of the active well pad. Currently, the area is awaiting further investigation. Remediation strategies and clean-up methods are being evaluated.

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: 	OIL CONSERVATION DIVISION	
Printed Name: Courtney Cochran	Approved by Environmental Specialist: 	
Title: Environmental Advisor	Approval Date: <u>11/21/14</u>	Expiration Date:
E-mail Address: <u>Courtney.Cochran@bp.com</u>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 9/29/2014 Phone: 505-326-9457		

* Attach Additional Sheets If Necessary

#143 2549 116

9

Analytical Report

Lab Order 1409D17

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: TH1 @ 2'

Project: GCU # 170E

Collection Date: 9/25/2014 8:50:00 AM

Lab ID: 1409D17-001

Matrix: MEOH (SOIL)

Received Date: 9/26/2014 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	2300	100		mg/Kg	10	9/26/2014 10:25:23 AM	15527
Surr: DNOP	0	57.9-140	S	%REC	10	9/26/2014 10:25:23 AM	15527
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	730	440		mg/Kg	100	9/26/2014 1:35:58 PM	R21485
Surr: BFB	124	80-120	S	%REC	100	9/26/2014 1:35:58 PM	R21485
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	2.2		mg/Kg	100	9/26/2014 1:35:58 PM	R21485
Toluene	ND	4.4		mg/Kg	100	9/26/2014 1:35:58 PM	R21485
Ethylbenzene	ND	4.4		mg/Kg	100	9/26/2014 1:35:58 PM	R21485
Xylenes, Total	39	8.7		mg/Kg	100	9/26/2014 1:35:58 PM	R21485
Surr: 4-Bromofluorobenzene	96.7	80-120		%REC	100	9/26/2014 1:35:58 PM	R21485

chloride less than 30 mg/kg

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preservation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	O	RLD is greater than RSD/10	N	Sample pH greater than 9
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

PRELIMINARY

Analytical Report

Lab Order 1409D17

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: TH3 @ 2'

Project: GCU # 170E

Collection Date: 9/25/2014 9:10:00 AM

Lab ID: 1409D17-002

Matrix: MEOH (SOIL)

Received Date: 9/26/2014 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/26/2014 10:54:58 AM	15527
Surr: DNOP	94.6	57.9-140		%REC	1	9/26/2014 10:54:58 AM	15527
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	9/26/2014 10:15:35 AM	R21485
Surr: BFB	97.9	80-120		%REC	1	9/26/2014 10:15:35 AM	R21485
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.039		mg/Kg	1	9/26/2014 10:15:35 AM	R21485
Toluene	ND	0.039		mg/Kg	1	9/26/2014 10:15:35 AM	R21485
Ethylbenzene	ND	0.039		mg/Kg	1	9/26/2014 10:15:35 AM	R21485
Xylenes, Total	ND	0.079		mg/Kg	1	9/26/2014 10:15:35 AM	R21485
Surr: 4-Bromofluorobenzene	94.1	80-120		%REC	1	9/26/2014 10:15:35 AM	R21485

chloride less than 30 mg/kg

Refer to the QC Summary report and sample log in checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
E	Value above quantitation range	H Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
O	RSD is greater than RSDM	N Sample pH greater than 1
R	RPD outside accepted recovery limits	RL Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	

PRELIMINARY

Analytical Report

Lab Order 1409D17

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: TH5 @ 2'

Project: GCU # 170E

Collection Date: 9/25/2014 9:30:00 AM

Lab ID: 1409D17-003

Matrix: MEOH (SOIL)

Received Date: 9/26/2014 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	110	10		mg/Kg	1	9/26/2014 11:24:49 AM	15527
Surr: DNOP	95.6	57.9-140		%REC	1	9/26/2014 11:24:49 AM	15527
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	23	7.4		mg/Kg	2	9/26/2014 10:44:06 AM	R21485
Surr: BFB	202	80-120	S	%REC	2	9/26/2014 10:44:06 AM	R21485
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.074		mg/Kg	2	9/26/2014 10:44:06 AM	R21485
Toluene	ND	0.074		mg/Kg	2	9/26/2014 10:44:06 AM	R21485
Ethylbenzene	ND	0.074		mg/Kg	2	9/26/2014 10:44:06 AM	R21485
Xylenes, Total	0.90	0.15		mg/Kg	2	9/26/2014 10:44:06 AM	R21485
Surr: 4-Bromofluorobenzene	99.3	80-120		%REC	2	9/26/2014 10:44:06 AM	R21485

Chloride less than 30 mg/kg

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preservation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	O	RPD is greater than RSD/m	N	Sample size greater than 2
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

PRELIMINARY

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: TH6 @ 3'

Project: GCU # 170E

Collection Date: 9/25/2014 9:40:00 AM

Lab ID: 1409D17-004

Matrix: MEOH (SOIL)

Received Date: 9/26/2014 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/26/2014 11:54:30 AM	15527
Surr: DNOP	98.3	57.9-140		%REC	1	9/26/2014 11:54:30 AM	15527
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	9/26/2014 11:12:41 AM	R21485
Surr: BFB	89.6	80-120		%REC	1	9/26/2014 11:12:41 AM	R21485
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.033		mg/Kg	1	9/26/2014 11:12:41 AM	R21485
Toluene	ND	0.033		mg/Kg	1	9/26/2014 11:12:41 AM	R21485
Ethylbenzene	ND	0.033		mg/Kg	1	9/26/2014 11:12:41 AM	R21485
Xylenes, Total	ND	0.066		mg/Kg	1	9/26/2014 11:12:41 AM	R21485
Surr: 4-Bromofluorobenzene	93.0	80-120		%REC	1	9/26/2014 11:12:41 AM	R21485

chloride less than 30 mg/kg

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RPD is greater than RSD/m	N	Sample pH greater than 2
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

PRELIMINARY

Analytical Report

Lab Order 1409D17

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: TH7 @ 4'

Project: GCU # 170E

Collection Date: 9/25/2014 9:58:00 AM

Lab ID: 1409D17-005

Matrix: MEOH (SOIL)

Received Date: 9/26/2014 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	100	10		mg/Kg	1	9/26/2014 10:19:47 AM	15527
Surr: DNOP	106	57.9-140		%REC	1	9/26/2014 10:19:47 AM	15527
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	15		mg/Kg	5	9/26/2014 11:41:24 AM	R21485
Surr: BFB	94.2	80-120		%REC	5	9/26/2014 11:41:24 AM	R21485
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.077		mg/Kg	5	9/26/2014 11:41:24 AM	R21485
Toluene	ND	0.15		mg/Kg	5	9/26/2014 11:41:24 AM	R21485
Ethylbenzene	ND	0.15		mg/Kg	5	9/26/2014 11:41:24 AM	R21485
Xylenes, Total	0.43	0.31		mg/Kg	5	9/26/2014 11:41:24 AM	R21485
Surr: 4-Bromofluorobenzene	94.8	80-120		%REC	5	9/26/2014 11:41:24 AM	R21485

chloride less than 30 mg/kg

Refer to the QC Summary report and sample log in checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	O	RD is greater than RSD/m	N	Sample pl greater than 2
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

PRELIMINARY

Analytical Report

Lab Order 1409D17

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: TH9 @ 3'

Project: GCU # 170E

Collection Date: 9/25/2014 10:55:00 AM

Lab ID: 1409D17-006

Matrix: MEOH (SOIL)

Received Date: 9/26/2014 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	770	10		mg/Kg	1	9/26/2014 10:41:03 AM	15527
Surr: DNOP	108	57.9-140		%REC	1	9/26/2014 10:41:03 AM	15527
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	190	19		mg/Kg	5	9/26/2014 12:10:04 PM	R21485
Surr: BFB	301	80-120	S	%REC	5	9/26/2014 12:10:04 PM	R21485
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.095		mg/Kg	5	9/26/2014 12:10:04 PM	R21485
Toluene	ND	0.19		mg/Kg	5	9/26/2014 12:10:04 PM	R21485
Ethylbenzene	ND	0.19		mg/Kg	5	9/26/2014 12:10:04 PM	R21485
Xylenes, Total	2.3	0.38		mg/Kg	5	9/26/2014 12:10:04 PM	R21485
Surr: 4-Bromofluorobenzene	109	80-120		%REC	5	9/26/2014 12:10:04 PM	R21485

Chloride less than 30mg/kg

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	FF	Holding times for preservation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
	O	RPD is greater than RSD/m	Y	Sample pH greater than 2
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

PRELIMINARY

Analytical Report

Lab Order 1409D17

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: TH11 @ 2.5'

Project: GCU # 170E

Collection Date: 9/25/2014 11:25:00 AM

Lab ID: 1409D17-007

Matrix: MEOH (SOIL)

Received Date: 9/26/2014 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/26/2014 11:02:15 AM	15527
Surr: DNOP	103	57.9-140		%REC	1	9/26/2014 11:02:15 AM	15527
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	9/26/2014 12:38:42 PM	R21485
Surr: BFB	92.9	80-120		%REC	1	9/26/2014 12:38:42 PM	R21485
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.043		mg/Kg	1	9/26/2014 12:38:42 PM	R21485
Toluene	ND	0.043		mg/Kg	1	9/26/2014 12:38:42 PM	R21485
Ethylbenzene	ND	0.043		mg/Kg	1	9/26/2014 12:38:42 PM	R21485
Xylenes, Total	ND	0.086		mg/Kg	1	9/26/2014 12:38:42 PM	R21485
Surr: 4-Bromofluorobenzene	92.3	80-120		%REC	1	9/26/2014 12:38:42 PM	R21485

Chloride less than 30 mg/kg

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
E	Value above quantitation range	F Holding times for preservation or analysis exceeded
J	Analyte detected below quantitation limits	ND Not detected at the Reporting Limit
O	RPD is greater than RSD/4%	N Sample pH greater than 2
R	RPD outside accepted recovery limits	RL Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits	

PRELIMINARY

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: TH12 @ 5'

Project: GCU # 170E

Collection Date: 9/25/2014 11:40:00 AM

Lab ID: 1409D17-008

Matrix: MEOH (SOIL)

Received Date: 9/26/2014 8:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	88	10		mg/Kg	1	9/26/2014 11:23:41 AM	15527
Surr: DNOP	106	57.9-140		%REC	1	9/26/2014 11:23:41 AM	15527
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	7.6		mg/Kg	2	9/26/2014 1:07:19 PM	R21485
Surr: BFB	89.9	80-120		%REC	2	9/26/2014 1:07:19 PM	R21485
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.076		mg/Kg	2	9/26/2014 1:07:19 PM	R21485
Toluene	ND	0.076		mg/Kg	2	9/26/2014 1:07:19 PM	R21485
Ethylbenzene	ND	0.076		mg/Kg	2	9/26/2014 1:07:19 PM	R21485
Xylenes, Total	ND	0.15		mg/Kg	2	9/26/2014 1:07:19 PM	R21485
Surr: 4-Bromofluorobenzene	93.1	80-120		%REC	2	9/26/2014 1:07:19 PM	R21485

Chloride less than 30 mg/kg

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	E	Value above or below nonrange	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	O	RPD is greater than RSD/M	N	Sample pH greater than 2
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

PRELIMINARY