

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 April 3, 2017

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: Erin Garifalos
Address: 200 Energy Court, Farmington, NM 87401	Telephone No. (832) 609-7048
Facility Name: RIDDLE D LS 003A	Facility Type: Natural Gas Well

Surface Owner: Federal	Mineral Owner: Federal	API No. 3004522424
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	22	31N	09W	1,015	South	1,685	East	San Juan

Latitude 36.879236 Longitude -107.764863 NAD83

NATURE OF RELEASE

Type of Release: none	Volume of Release: unknown	Volume Recovered: N/A
Source of Release: below grade tank - 95 bbl	Date and Hour of Occurrence: n/a	Date and Hour of Discovery: n/a
Was Immediate Notice Given? <input type="checkbox"/> Yes <input 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 type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

OIL CONS. DIV DIST. 3
DEC 22 2017

Describe Cause of Problem and Remedial Action Taken.*
Sampling of the soil beneath the BGT was done during removal. Soil analysis resulted with detectable TPH concentrations. Per the spill and release guidelines the location has a TPH standard of 1,000 ppm; lab results were below that level requiring no further action. Field reports and laboratory results are attached.

Describe Area Affected and Cleanup Action Taken.*
Following the spill and release guidelines, no further action required. Final laboratory analysis determined no remedial action is required.

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>erin garifalos</i>	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Erin Garifalos	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Field Environmental Coordinator	Approval Date: 12/22/17	Expiration Date:
E-mail Address: erin.garifalos@bp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: November 9, 2017 Phone: (832) 609-7048		

* Attach Additional Sheets If Necessary

NVF1735437434

CLIENT: BP	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	API #: 3004522424
		TANK ID (if applicable): A

FIELD REPORT: (circle one): BGT CONFIRMATION / RELEASE INVESTIGATION / OTHER:

PAGE #: **1** of **1**

SITE INFORMATION:	SITE NAME: RIDDLE D LS # 3A	DATE STARTED: 09/11/17
QUAD/UNIT: O SEC: 22 TWP: 31N	RNG: 9W PM: NM CNTY: SJ ST: NM	DATE FINISHED:
1/4 - 1/4/FOOTAGE: 1,015'S / 1,685'E	SW/SE LEASE TYPE: <input checked="" type="checkbox"/> FEDERAL / <input type="checkbox"/> STATE / <input type="checkbox"/> FEE / <input type="checkbox"/> INDIAN	ENVIRONMENTAL SPECIALIST(S): NJV
LEASE #: NM012647	PROD. FORMATION: MV CONTRACTOR: BP - J. GONZALES	

REFERENCE POINT:	WELL HEAD (W.H.) GPS COORD.: 36.87914 X 107.76468	GL ELEV.: 6,274'
1) 95 BGT (SW/DB)	GPS COORD.: 36.879236 X 107.764863	DISTANCE/BEARING FROM W.H.: 74', N54W
2)	GPS COORD.:	DISTANCE/BEARING FROM W.H.:
3)	GPS COORD.:	DISTANCE/BEARING FROM W.H.:
4)	GPS COORD.:	DISTANCE/BEARING FROM W.H.:

SAMPLING DATA:	CHAIN OF CUSTODY RECORD(S) # OR LAB USED: HALL	OVM READING (ppm)
1) SAMPLE ID: 5PC - TB @ 4.5' (95)	SAMPLE DATE: 09/11/17 SAMPLE TIME: 1145 LAB ANALYSIS: 8015B/8021B/300.0 (CI)	NA
2) SAMPLE ID:	SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS:	
3) SAMPLE ID:	SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS:	
4) SAMPLE ID:	SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS:	
5) SAMPLE ID:	SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS:	

SOIL DESCRIPTION:	SOIL TYPE: <input checked="" type="checkbox"/> SAND / <input checked="" type="checkbox"/> SILTY SAND / <input type="checkbox"/> SILT / <input type="checkbox"/> SILTY CLAY / <input type="checkbox"/> CLAY / <input type="checkbox"/> GRAVEL / <input type="checkbox"/> OTHER: BEDROCK (SANDSTONE)	
SOIL COLOR: MODERATE BROWN	PLASTICITY (CLAYS): <input type="checkbox"/> NON PLASTIC / <input type="checkbox"/> SLIGHTLY PLASTIC / <input type="checkbox"/> COHESIVE / <input type="checkbox"/> MEDIUM PLASTIC / <input type="checkbox"/> HIGHLY PLASTIC	
COHESION (ALL OTHERS): <input checked="" type="checkbox"/> NON COHESIVE / <input type="checkbox"/> SLIGHTLY COHESIVE / <input type="checkbox"/> COHESIVE / <input type="checkbox"/> HIGHLY COHESIVE	DENSITY (COHESIVE CLAYS & SILTS): <input type="checkbox"/> SOFT / <input type="checkbox"/> FIRM / <input type="checkbox"/> STIFF / <input type="checkbox"/> VERY STIFF / <input type="checkbox"/> HARD	
CONSISTENCY (NON COHESIVE SOILS): <input type="checkbox"/> LOOSE / <input checked="" type="checkbox"/> FIRM / <input type="checkbox"/> DENSE / <input type="checkbox"/> VERY DENSE	HC ODOR DETECTED: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> EXPLANATION -	
MOISTURE: <input type="checkbox"/> DRY / <input checked="" type="checkbox"/> SLIGHTLY MOIST / <input type="checkbox"/> MOIST / <input type="checkbox"/> WET / <input type="checkbox"/> SATURATED / <input type="checkbox"/> SUPER SATURATED	ANY AREAS DISPLAYING WETNESS: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> EXPLANATION -	
SAMPLE TYPE: GRAB <input checked="" type="checkbox"/> COMPOSITE # OF PTS. 5	DISCOLORATION/STAINING OBSERVED: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> EXPLANATION -	

SITE OBSERVATIONS:	LOST INTEGRITY OF EQUIPMENT: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> EXPLANATION -	
APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> EXPLANATION:	EQUIPMENT SET OVER RECLAIMED AREA: <input checked="" type="checkbox"/> YES / <input type="checkbox"/> NO EXPLANATION - 105 BBL SHALLOW LOW PROFILE ABOVE-GRADE TANK TO BE SET ATOP BGT LOCATION.	
OTHER: NMOCOD OR BLM NOT PRESENT TO WITNESS CONFIRMATION SAMPLING.		
EXCAVATION DIMENSION ESTIMATION: NA ft. X NA ft. X NA ft.	EXCAVATION ESTIMATION (Cubic Yards): NA	
DEPTH TO GROUNDWATER: >100'	NEAREST WATER SOURCE: >1,000'	NEAREST SURFACE WATER: <1,000' NMOCOD TPH CLOSURE STD: 1,000 ppm

<p>SITE SKETCH</p> <p>BGT Located : off <input checked="" type="checkbox"/> on site</p> <p>PLOT PLAN circle: attached</p> <p style="text-align: right;">X - S.P.D.</p>	<p>OVM CALIB. READ. = NA ppm RF=1.00</p> <p>OVM CALIB. GAS = NA ppm</p> <p>TIME: NA am/pm DATE: NA</p> <p>MISCELL. NOTES</p> <p>WO:</p> <p>REF #: P-843</p> <p>VID: VHIXONEVB2</p> <p>PJ#:</p> <p>Permit date(s): 06/14/10</p> <p>OCD Appr. date(s): 06/09/17</p> <p>Tank ID: A OVM = Organic Vapor Meter ppm = parts per million</p> <p>BGT Sidewalls Visible: Y / (N)</p> <p>BGT Sidewalls Visible: Y / N</p> <p>BGT Sidewalls Visible: Y / N</p> <p>Magnetic declination: 10° E</p>
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NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW GRADE; B = BELOW; T.H. = TEST HOLE; ~ = APPROX.; W.H. = WELL HEAD; T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELOW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA - NOT APPLICABLE OR NOT AVAILABLE; SW - SINGLE WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BOTTOM.

NOTES: **GOOGLE EARTH IMAGERY DATE: 10/5/2016.** ONSITE: **09/11/17**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC-TB @ 4.5' (95)

Project: RIDDLE D LS #3A

Collection Date: 9/11/2017 11:45:00 AM

Lab ID: 1709518-001

Matrix: SOIL

Received Date: 9/12/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	9/13/2017 1:12:26 PM	33817
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	36	9.4		mg/Kg	1	9/12/2017 10:35:40 AM	33815
Motor Oil Range Organics (MRO)	150	47		mg/Kg	1	9/12/2017 10:35:40 AM	33815
Surr: DNOP	111	70-130		%Rec	1	9/12/2017 10:35:40 AM	33815
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	9/12/2017 12:16:22 PM	33798
Surr: BFB	95.3	54-150		%Rec	1	9/12/2017 12:16:22 PM	33798
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.017		mg/Kg	1	9/12/2017 12:16:22 PM	33798
Toluene	ND	0.034		mg/Kg	1	9/12/2017 12:16:22 PM	33798
Ethylbenzene	ND	0.034		mg/Kg	1	9/12/2017 12:16:22 PM	33798
Xylenes, Total	ND	0.069		mg/Kg	1	9/12/2017 12:16:22 PM	33798
Surr: 4-Bromofluorobenzene	102	66.6-132		%Rec	1	9/12/2017 12:16:22 PM	33798

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
	D	Sample Diluted Due to Matrix	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	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1709518

18-Sep-17

Client: Blagg Engineering
Project: RIDDLE D LS #3A

Sample ID	MB-33817	SampType:	mbk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	33817	RunNo:	45597					
Prep Date:	9/12/2017	Analysis Date:	9/13/2017	SeqNo:	1447722	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-33817	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	33817	RunNo:	45597					
Prep Date:	9/12/2017	Analysis Date:	9/13/2017	SeqNo:	1447723	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.0	90	110			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | 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 | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1709518

18-Sep-17

Client: Blagg Engineering

Project: RIDDLE D LS #3A

Sample ID	LCS-33815	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	33815	RunNo:	45554					
Prep Date:	9/12/2017	Analysis Date:	9/12/2017	SeqNo:	1444503	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	100	73.2	114			
Surr: DNOP	4.8		5.000		96.6	70	130			

Sample ID	MB-33815	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	33815	RunNo:	45554					
Prep Date:	9/12/2017	Analysis Date:	9/12/2017	SeqNo:	1444504	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		105	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1709518
 18-Sep-17

Client: Blagg Engineering
Project: RIDDLE D LS #3A

Sample ID MB-33798	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 33798		RunNo: 45568							
Prep Date: 9/11/2017	Analysis Date: 9/12/2017		SeqNo: 1445343	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	940		1000		94.1	54	150			

Sample ID LCS-33798	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 33798		RunNo: 45568							
Prep Date: 9/11/2017	Analysis Date: 9/12/2017		SeqNo: 1445344	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	76.4	125			
Surr: BFB	1100		1000		106	54	150			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1709518

18-Sep-17

Client: Blagg Engineering
Project: RIDDLE D LS #3A

Sample ID	MB-33798	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	33798	RunNo:	45568					
Prep Date:	9/11/2017	Analysis Date:	9/12/2017	SeqNo:	1445377	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	66.6	132			

Sample ID	LCS-33798	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	33798	RunNo:	45568					
Prep Date:	9/11/2017	Analysis Date:	9/12/2017	SeqNo:	1445378	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	100	80	120			
Toluene	0.98	0.050	1.000	0	97.8	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		108	66.6	132			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory
 4901 Hawkins NE
 Albuquerque, NM 87109
 TEL: 505-345-3975 FAX: 505-345-4107
 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **BLAGG**

Work Order Number: **1709518**

RcptNo: **1**

Received By: **Anne Thorne** 9/12/2017 7:00:00 AM

Anne Thorne

Completed By: **Anne Thorne** 9/12/2017 7:39:58 AM

Anne Thorne

Reviewed By: **Dennis Suazo** *Dennis Suazo*

Chain of Custody

1. Custody seals intact on sample bottles? Yes No Not Present
2. Is Chain of Custody complete? Yes No Not Present
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes No NA
5. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
6. Sample(s) in proper container(s)? Yes No
7. Sufficient sample volume for indicated test(s)? Yes No
8. Are samples (except VOA and ONG) properly preserved? Yes No
9. Was preservative added to bottles? Yes No NA
10. VOA vials have zero headspace? Yes No No VOA Vials
11. Were any sample containers received broken? Yes No
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes No
13. Are matrices correctly identified on Chain of Custody? Yes No
14. Is it clear what analyses were requested? Yes No
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____	Date: _____
By Whom: _____	Via: <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding: _____	
Client Instructions: _____	

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

