

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 April 3, 2017

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	ROELOFS B 002A	Facility Type	Natural Gas Well

Surface Owner	Federal	Mineral Owner	Federal	API No.	3004522364
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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	15	29N	08W	1,140	South	1,710	East	San Juan

Latitude 36.72123 Longitude -107.65981 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.*

Describe Cause of Problem and Remedial Action Taken.*
Sampling of the soil beneath the BGT was done during removal. Soil analysis resulted for TPH, BTEX and chlorides with all but TPH below BGT closure standards. Following the spill and release guidelines, the site is ranked with a closure standard of 5,000 ppm TPH requiring no further action. Field reports and laboratory results are attached.

Describe Area Affected and Cleanup Action Taken.*
No action necessary. 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>	OIL CONSERVATION DIVISION	
Printed Name: Erin Garifalos	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Field Environmental Coordinator	Approval Date: 4/26/18	Expiration Date:
E-mail Address: erin.garifalos@bp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: March 8, 2018 Phone: (832) 609-7048		

* Attach Additional Sheets If Necessary

NMOCD

NVF1811647691

MAR 12 2018

DISTRICT III

10

CLIENT: BP	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	API #: 3004522364 TANK ID (if applicable): A
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FIELD REPORT:	(circle one): <u>BGT CONFIRMATION</u> / RELEASE INVESTIGATION / OTHER:	PAGE #: 1 of 1
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SITE INFORMATION:	SITE NAME: ROELOFS B # 2A	DATE STARTED: 07/26/17
QUAD/UNIT: O SEC: 15 TWP: 29N RNG: 8W PM: NM CNTY: SJ ST: NM	LEASE TYPE: <u>FEDERAL</u> / STATE / FEE / INDIAN	DATE FINISHED:
1/4 - 1/4 FOOTAGE: 1,140'S / 1,710'E SW/SE	LEASE #: SF078415	ENVIRONMENTAL SPECIALIST(S): NJV
LEASE #: SF078415	PROD. FORMATION: MV	CONTRACTOR: STRIKE MBF - R. POWELL

REFERENCE POINT:	WELL HEAD (W.H.) GPS COORD.: 36.72139 X 107.66010	GL ELEV.: 6,726'
1) 95 BGT (DW/DB)	GPS COORD.: 36.72123 X 107.65981	DISTANCE/BEARING FROM W.H.: 108', S51.5E
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) 227
1) SAMPLE ID: 5PC - TB @ 4.5' (95)	SAMPLE DATE: 07/26/17	SAMPLE TIME: 1200
2) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME:
3) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME:
4) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME:
5) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME:

SOIL DESCRIPTION:	SOIL TYPE: <u>SAND</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / <u>OTHER</u> BEDROCK (SANDSTONE)
SOIL COLOR: DARK YELLOWISH ORANGE TO OLIVE GRAY	PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC
COHESION (ALL OTHERS): <u>NON COHESIVE</u> / SLIGHTLY COHESIVE / COHESIVE / <u>HIGHLY COHESIVE</u>	DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD
CONSISTENCY (NON COHESIVE SOILS): <u>LOOSE</u> / <u>FIRM</u> / DENSE / <u>VERY DENSE</u>	HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION - BY INSTRUMENTATION ONLY.
MOISTURE: <u>DRY</u> / <u>SLIGHTLY MOIST</u> / MOIST / WET / SATURATED / SUPER SATURATED	ANY AREAS DISPLAYING WETNESS: YES / <u>NO</u> EXPLANATION -
SAMPLE TYPE: GRAB / <u>COMPOSITE</u> # OF PTS. 5	DISCOLORATION/STAINING OBSERVED: <u>YES</u> / NO EXPLANATION - GRAY, BLACK, DUSKY BROWN AT BGT FOOTPRINT ONLY.

SITE OBSERVATIONS:	LOST INTEGRITY OF EQUIPMENT: YES / NO EXPLANATION - BOTTOM OF BGT MOST LIKELY.
APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: <u>YES</u> / NO EXPLANATION: VISUAL STAINING DIRECTLY BENEATH BGT.	EQUIPMENT SET OVER RECLAIMED AREA: <u>YES</u> / NO EXPLANATION - 105 BBL SHALLOW LOW PROFILE ABOVE-GRADE TANK TO BE SET PARTIALLY ATOP BGT LOCATION.
OTHER: BGT CONSTRUCTION ACTUALLY SW/DB. NMOC OR BLM NOT PRESENT TO WITNESS CONFIRMATION SAMPLING. BEDROCK APPROX. 5 FT. BELOW GRADE, OLIVE GRAY, VERY HARD, COMPETENT, NO OBVIOUS &/OR APPARENT HYDROCARBON IMPACTS OBSERVED.	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' NMOC TPH CLOSURE STD: 5,000 ppm

SITE SKETCH	BGT Located : off / <u>on</u> site	PLOT PLAN circle: <u>attached</u>

MISCELL. NOTES WO: REF #: P-861 VID: VHIXONEV11 PJ #: Permit date(s): 06/14/10 OCD Appr. date(s): 05/31/17 Tank ID: A OVM = Organic Vapor Meter ppm = parts per million BGT Sidewalls Visible: Y / <u>N</u> BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N Magnetic declination: 10° E	OVM CALIB. READ. = 100.0 ppm RF=1.00 OVM CALIB. GAS = 100 ppm TIME: 12:20 am/pm DATE: 07/26/17
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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.
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ONSITE: 07/26/17	revised: 11/26/13
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Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1707D57

Date Reported: 7/28/2017

CLIENT: Blagg Engineering

Project: ROELOFS B #2A

Lab ID: 1707D57-001

Matrix: SOIL

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

Collection Date: 7/26/2017 12:00:00 PM

Received Date: 7/27/2017 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SRM
Chloride	ND	30		mg/Kg	20	7/27/2017 11:40:25 AM	33039
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	22	9.4		mg/Kg	1	7/27/2017 10:16:37 AM	33038
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/27/2017 10:16:37 AM	33038
Surr: DNOP	99.6	70-130		%Rec	1	7/27/2017 10:16:37 AM	33038
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	7/27/2017 9:53:36 AM	33011
Surr: BFB	89.0	54-150		%Rec	1	7/27/2017 9:53:36 AM	33011
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.019		mg/Kg	1	7/27/2017 9:53:36 AM	33011
Toluene	ND	0.038		mg/Kg	1	7/27/2017 9:53:36 AM	33011
Ethylbenzene	ND	0.038		mg/Kg	1	7/27/2017 9:53:36 AM	33011
Xylenes, Total	ND	0.075		mg/Kg	1	7/27/2017 9:53:36 AM	33011
Surr: 4-Bromofluorobenzene	106	66.6-132		%Rec	1	7/27/2017 9:53:36 AM	33011

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#: 1707D57

28-Jul-17

Client: Blagg Engineering

Project: ROELOFS B #2A

Sample ID	MB-33039	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	33039	RunNo:	44577					
Prep Date:	7/27/2017	Analysis Date:	7/27/2017	SeqNo:	1409374	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-33039	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	33039	RunNo:	44577					
Prep Date:	7/27/2017	Analysis Date:	7/27/2017	SeqNo:	1409375	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.0	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#: 1707D57

28-Jul-17

Client: Blagg Engineering

Project: ROELOFS B #2A

Sample ID	LCS-33038		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 33038		RunNo: 44536					
Prep Date:	7/27/2017		Analysis Date: 7/27/2017		SeqNo: 1408374		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.00	0	108	73.2	114			
Surr: DNOP	5.0		5.000		99.1	70	130			

Sample ID	MB-33038		SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS		Batch ID: 33038		RunNo: 44536					
Prep Date:	7/27/2017		Analysis Date: 7/27/2017		SeqNo: 1408375		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	9.0		10.00		89.6	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#: 1707D57

28-Jul-17

Client: Blagg Engineering

Project: ROELOFS B #2A

Sample ID	MB-33011	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	33011	RunNo:	44550					
Prep Date:	7/26/2017	Analysis Date:	7/27/2017	SeqNo:	1409090	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	860		1000		86.0	54	150			

Sample ID	LCS-33011	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	33011	RunNo:	44550					
Prep Date:	7/26/2017	Analysis Date:	7/27/2017	SeqNo:	1409091	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.8	76.4	125			
Surr: BFB	970		1000		97.0	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#: 1707D57

28-Jul-17

Client: Blagg Engineering

Project: ROELOFS B #2A

Sample ID	MB-33011		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	33011		RunNo:	44550			
Prep Date:	7/26/2017		Analysis Date:	7/27/2017		SeqNo:	1409112		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		103	66.6	132			

Sample ID	LCS-33011		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	33011		RunNo:	44550			
Prep Date:	7/26/2017		Analysis Date:	7/27/2017		SeqNo:	1409113		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.3	80	120			
Toluene	0.92	0.050	1.000	0	91.7	80	120			
Ethylbenzene	0.91	0.050	1.000	0	91.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.5	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	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: 1707D57

RcptNo: 1

Received By: Anne Thorne 7/27/2017 7:50:00 AM

Completed By: Anne Thorne 7/27/2017 8:09:05 AM

Reviewed By: SRE 07/27/17

Anne Thorne
Anne Thorne

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 $>0^{\circ}\text{C}$ 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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Yes			

