

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

OIL CONS. DIV DIST. 3

Form C-141
Revised April 3, 2017

JAN 25 2018

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	FLORANCE 021A	Facility Type	Natural Gas Well

Surface Owner	Federal	Mineral Owner	Federal	API No.	3004522117
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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
C	01	29N	09W	925	North	2,038	West	San Juan

Latitude 36.75777 Longitude -107.73309 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 checked="" 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 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.*
Sampling of the soil beneath the BGT was done during removal, impacted soils were discovered. Soil analysis resulted for Chlorides, BTEX, and TPH below BGT closure standards except TPH. After removing the relatively minor impacted quantity via excavation with a backhoe (5 cubic yards +/-), subsequent sampling was completed showing non-detect levels of TPH. Impacted soil was taken to IEI for disposal. Field reports and laboratory results are attached.

Describe Area Affected and Cleanup Action Taken.*
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>	OIL CONSERVATION DIVISION	
Printed Name:	Erin Garifalos	Approved by Environmental Specialist:	<i>[Signature]</i>
Title:	Field Environmental Coordinator	Approval Date:	2/2/18
E-mail Address:	erin.garifalos@bp.com	Expiration Date:	
Date:	January 22, 2018	Conditions of Approval:	
Phone:	(832) 609-7048	Attached	<input type="checkbox"/>

* Attach Additional Sheets If Necessary

#NCS 180 33 33 248

9

CLIENT: BP	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	API #: 3004522117 TANK ID (if applicable): A
FIELD REPORT: (circle one): BGT CONFIRMATION / <u>RELEASE INVESTIGATION</u> / OTHER:		PAGE #: 1 of 1
SITE INFORMATION: SITE NAME: FLORANCE # 21A		DATE STARTED: 11/29/17
QUAD/UNIT: C SEC: 1 TWP: 29N RNG: 9W PM: NM CNTY: SJ ST: NM		DATE FINISHED:
1/4 -1/4/FOOTAGE: 925'N / 2,038'W NE/NW LEASE TYPE: <u>FEDERAL</u> STATE / FEE / INDIAN		ENVIRONMENTAL SPECIALIST(S): JCB
LEASE #: SF078201 PROD. FORMATION: MV CONTRACTOR: BP - J. GONZALES		
REFERENCE POINT: WELL HEAD (W.H.) GPS COORD.: 36.75800 X 107.73323 GL ELEV.: 5,825'		
1) 95 BGT (SW/DB) GPS COORD.: 36.75777 X 107.73309 DISTANCE/BEARING FROM W.H.: 97', S24E		
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) 0.0
1) SAMPLE ID: 95 BGT 5-pt. @ 8' SAMPLE DATE: 11/29/17 SAMPLE TIME: 0840 LAB ANALYSIS: 8015B/8021B/300.0 (CI)		
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: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / <u>OTHER</u> BEDROCK (SHALESTONE)		
SOIL COLOR: MODERATE BROWN		
COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / <u>HIGHLY COHESIVE</u>		PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC
CONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / <u>DENSE</u> / VERY DENSE		DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD
MOISTURE: DRY / <u>SLIGHTLY MOIST</u> / MOIST / WET / SATURATED / SUPER SATURATED		HC ODOR DETECTED: YES <u>NO</u> EXPLANATION -
SAMPLE TYPE: GRAB / <u>COMPOSITE</u> # OF PTS. 5		ANY AREAS DISPLAYING WETNESS: YES <u>NO</u> EXPLANATION -
DISCOLORATION/STAINING OBSERVED: YES <u>NO</u> EXPLANATION -		
SITE OBSERVATIONS: LOST INTEGRITY OF EQUIPMENT: YES <u>NO</u> EXPLANATION -		
APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: YES / NO EXPLANATION:		
EQUIPMENT SET OVER RECLAIMED AREA: YES <u>NO</u> EXPLANATION -		
OTHER: BACKHOE USED TO REMOVE PERIMETER SOILS/BEDROCK TO 7 FT. BELOW GRADE (B.G.). EXCAVATED IMPACTED MATERIAL (see below), THEN RESAMPLED.		
EXCAVATION DIMENSION ESTIMATION: 12 ft. X 12 ft. X 8 ft. EXCAVATION ESTIMATION (Cubic Yards): 5 ±		
DEPTH TO GROUNDWATER: <100' NEAREST WATER SOURCE: >1,000' NEAREST SURFACE WATER: <1,000' NMOCD TPH CLOSURE STD: 100 ppm		
SITE SKETCH BGT Located: off / <u>on</u> site PLOT PLAN circle: <u>attached</u>		OVM CALIB. READ. = 100.0 ppm RF=1.00 OVM CALIB. GAS = 100 ppm TIME: 7:25 (am/pm) DATE: 11/29/17
		MISCELL. NOTES WO: REF #: P-869 VID: VHIXONEVB2 PJ #: Permit date(s): 06/14/10 OCD Appr. date(s): 03/01/17 Tank ID: OVM = Organic Vapor Meter ppm = parts per million A BGT Sidewalls Visible: Y / <u>N</u> BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N Magnetic declination: 10° E
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: 11/27/17, 11/29/17

Analytical Report

Lab Order 1711E05

Date Reported: 12/4/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 95 BGT 5-pt @ 8'

Project: FLORANCE 21A

Collection Date: 11/29/2017 8:40:00 AM

Lab ID: 1711E05-001

Matrix: SOIL

Received Date: 11/30/2017 7:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	11/30/2017 1:31:45 PM	35246
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: MAB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/30/2017 11:03:27 AM	35235
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/30/2017 11:03:27 AM	35235
Surr: DNOP	80.1	70-130		%Rec	1	11/30/2017 11:03:27 AM	35235
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	12/1/2017 11:02:39 PM	G47476
Surr: BFB	91.1	15-316		%Rec	1	12/1/2017 11:02:39 PM	G47476
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	11/30/2017 1:24:34 PM	B47446
Toluene	ND	0.041		mg/Kg	1	11/30/2017 1:24:34 PM	B47446
Ethylbenzene	ND	0.041		mg/Kg	1	11/30/2017 1:24:34 PM	B47446
Xylenes, Total	ND	0.081		mg/Kg	1	11/30/2017 1:24:34 PM	B47446
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	11/30/2017 1:24:34 PM	B47446

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

Chain-of-Custody Record

Client: **BP AMERICA**

Mailing Address: **BLACK ENGINEERING INC.**

Phone #: **(505) 320-1183**

email or Fax#:

QA/QC Package: Standard Level 4 (Full Validation)

Accreditation NELAP Other

EDD (Type)

Turn-Around Time:

Standard Rush

Same Day

Project Name:

FLORENCE 21A

Project #:

Project Manager:

ERIN GARIBAYOS

Sampler: **JEFF BARK**

On Ice: Yes No

Sample Temperature: **13**

Container Type and #

11/3417

Preservative Type

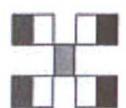
cool

HEAL No.

FILES

4 oz x 1

<input checked="" type="checkbox"/>	BTEX + MTBE + TMB's (8021)
<input checked="" type="checkbox"/>	BTEX + MTBE + TPH (Gas only)
<input checked="" type="checkbox"/>	TPH 8015B (GRO / DRO / MRO)
<input type="checkbox"/>	TPH (Method 418.1)
<input type="checkbox"/>	EDB (Method 504.1)
<input type="checkbox"/>	PAH's (8310 or 8270 SIMS)
<input type="checkbox"/>	RCRA 8 Metals
<input type="checkbox"/>	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)
<input type="checkbox"/>	8081 Pesticides / 8082 PCB's
<input type="checkbox"/>	8260B (VOA)
<input type="checkbox"/>	8270 (Semi-VOA)
<input checked="" type="checkbox"/>	CHLORIDE
<input type="checkbox"/>	Air Bubbles (Y or N)



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Relinquished by:	Received by:	Date	Time	Remarks:
11/29/07	1119	Bill Bagg	Erin Garibayos	11/24/07	1119	Bill Bagg
11/29/07	7015	Mustache	John De	11/30/07	0740	CONTR: ERIN GARIBAYOS VID: VHXONEVBA REF: P-869

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1711E05

04-Dec-17

Client: Blagg Engineering

Project: FLORANCE 21A

Sample ID	MB-35246	SampType:	mbk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	35246	RunNo:	47438					
Prep Date:	11/30/2017	Analysis Date:	11/30/2017	SeqNo:	1515504	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-35246	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	35246	RunNo:	47438					
Prep Date:	11/30/2017	Analysis Date:	11/30/2017	SeqNo:	1515505	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	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#: 1711E05

04-Dec-17

Client: Blagg Engineering

Project: FLORANCE 21A

Sample ID	LCS-35235	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	35235	RunNo:	47421					
Prep Date:	11/30/2017	Analysis Date:	11/30/2017	SeqNo:	1513507	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	83.8	73.2	114			
Surr: DNOP	4.1		5.000		81.2	70	130			

Sample ID	MB-35235	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	35235	RunNo:	47421					
Prep Date:	11/30/2017	Analysis Date:	11/30/2017	SeqNo:	1513508	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	7.5		10.00		74.8	70	130			

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#: 1711E05

04-Dec-17

Client: Blagg Engineering

Project: FLORANCE 21A

Sample ID RB	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: G47476		RunNo: 47476							
Prep Date:	Analysis Date: 12/1/2017		SeqNo: 1516064		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	880		1000		88.5	15	316			

Sample ID 2.5UG GRO LCS	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: G47476		RunNo: 47476							
Prep Date:	Analysis Date: 12/1/2017		SeqNo: 1516065		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	99.8	75.9	131			
Surr: BFB	1000		1000		104	15	316			

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#: 1711E05

04-Dec-17

Client: Blagg Engineering

Project: FLORANCE 21A

Sample ID RB	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: B47446		RunNo: 47446							
Prep Date:	Analysis Date: 11/30/2017		SeqNo: 1514461		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	1.1		1.000		106	80	120			

Sample ID 100NG BTEX LCS	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: B47446		RunNo: 47446							
Prep Date:	Analysis Date: 11/30/2017		SeqNo: 1514462		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	96.9	77.3	128			
Toluene	0.97	0.050	1.000	0	97.4	79.2	125			
Ethylbenzene	0.97	0.050	1.000	0	97.4	80.7	127			
Xylenes, Total	2.9	0.10	3.000	0	96.4	81.6	129			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
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| S % Recovery outside of range due to dilution or matrix | 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: 1711E05

RcptNo: 1

Received By: **Anne Thorne** 11/30/2017 7:40:00 AM

Anne Thorne

Completed By: **Anne Thorne** 11/30/2017 8:48:50 AM

Anne Thorne

Reviewed By: *SRE 11/30/17*

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	1.3	Good	Yes			