

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 GCU 155	Facility Type: Natural Gas Well	
Surface Owner: Federal	Mineral Owner: Federal	API No. 3004507269

LOCATION OF RELEASE

Unit Letter N	Section 23	Township 28N	Range 13W	Feet from the 990	North/South Line South	Feet from the 1,700	East/West Line West	County San Juan
Latitude 36.64361 Longitude -108.19218 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. Soil analysis resulted for BTEX and TPH below BGT closure standards. Chloride concentrations were elevated but at a depth of 5 feet below ground surface with an estimated depth to groundwater of >100' the levels pose no significant threat to surface or groundwater. 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.		

OIL CONS. DIV. DIST. 3
DEC 22 2017

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: 12/26/17	Expiration Date:
E-mail Address: erin.garifalos@bp.com		Conditions of Approval: -	Attached <input type="checkbox"/>
Date: December 19, 2017 Phone: (832) 609-7048			

* Attach Additional Sheets If Necessary

NVF 1736037352

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CLIENT: BP	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	API #: 3004507269 TANK ID (if applicable): B
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FIELD REPORT:

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

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

SITE INFORMATION:	SITE NAME: GCU # 155	DATE STARTED: 10/25/17
QUAD/UNIT: N SEC: 23 TWP: 28N RNG: 13W PM: NM CNTY: SJ ST: NM		DATE FINISHED:
1/4 -1/4/FOOTAGE: 990'S / 1,700'W SE/SW LEASE TYPE: <u>FEDERAL</u> / STATE / FEE / INDIAN		ENVIRONMENTAL SPECIALIST(S): NJV
LEASE #: SF077966 PROD. FORMATION: DK CONTRACTOR: STRIKE BP - S. BEEBE		

REFERENCE POINT:	WELL HEAD (W.H.) GPS COORD.: 36.64321 X 108.19232	GL ELEV.: 6,093'
1) 95 BGT (SW/DB) - B	GPS COORD.: 36.64361 X 108.19218	DISTANCE/BEARING FROM W.H.: 155', N14.5E
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) 0.0
1) SAMPLE ID: 5PC - TB @ 5' (95) - B	SAMPLE DATE: 10/25/17 SAMPLE TIME: 0855 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 <u>SILTY SAND</u> SILT <u>SILTY CLAY</u> CLAY / GRAVEL / OTHER
SOIL COLOR: MODERATE BROWN	PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC <u>COHESIVE</u> MEDIUM PLASTIC / HIGHLY PLASTIC
COHESION (ALL OTHERS): NON COHESIVE <u>SLIGHTLY COHESIVE</u> COHESIVE / HIGHLY COHESIVE	DENSITY (COHESIVE CLAYS & SILTS): SOFT <u>FIRM</u> STIFF / VERY STIFF / HARD
CONSISTENCY (NON COHESIVE SOILS): LOOSE <u>FIRM</u> DENSE / VERY DENSE	HC ODOR DETECTED: YES <u>NO</u> EXPLANATION -
MOISTURE: DRY <u>SLIGHTLY MOIST</u> <u>MOIST</u> WET / SATURATED / SUPER SATURATED	ANY AREAS DISPLAYING WETNESS: YES <u>NO</u> EXPLANATION -
SAMPLE TYPE: <u>GRAB</u> <u>COMPOSITE</u> # OF PTS. 5	
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 <u>NO</u> EXPLANATION:	
EQUIPMENT SET OVER RECLAIMED AREA: YES <u>NO</u> EXPLANATION -	
OTHER: TANK ID: B CONSTRUCTED OF FIBERGLASS. GAS WELL PLUGGED & ABANDONED (P&A). NMOCD 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' NMOCD TPH CLOSURE STD: 1,000 ppm

SITE SKETCH

BGT Located : off on site
PLOT PLAN circle: attached

OVM CALIB. READ. = **100.0** ppm RF=1.00
 OVM CALIB. GAS = **100** ppm
 TIME: **9:00** am/pm DATE: **10/25/17**

MISCELL. NOTES
 PO: **4300858307**
 AFE #: **X7-0071L-E:REST**
 SIO: **190040007679**
 GL #: **745277**
 Permit date(s): **06/14/10**
 OCD Appr. date(s): **05/10/11**
 Tank ID: **B** OVM = Organic Vapor Meter ppm = parts per million
 BGT Sidewalls Visible: Y / (N)
 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; PBGT = 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: 3/15/2015.** ONSITE: **10/25/17**

Analytical Report

Lab Order 1710D76

Date Reported: 10/31/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

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

Project: GCU 155

Collection Date: 10/25/2017 8:55:00 AM

Lab ID: 1710D76-002

Matrix: MEOH (SOIL)

Received Date: 10/26/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	230	30		mg/Kg	20	10/26/2017 2:15:17 PM	34664
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/26/2017 11:45:45 AM	34652
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/26/2017 11:45:45 AM	34652
Surr: DNOP	104	70-130		%Rec	1	10/26/2017 11:45:45 AM	34652
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/26/2017 11:29:46 AM	G46673
Surr: BFB	112	15-316		%Rec	1	10/26/2017 11:29:46 AM	G46673
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/26/2017 11:29:46 AM	B46673
Toluene	ND	0.050		mg/Kg	1	10/26/2017 11:29:46 AM	B46673
Ethylbenzene	ND	0.050		mg/Kg	1	10/26/2017 11:29:46 AM	B46673
Xylenes, Total	ND	0.10		mg/Kg	1	10/26/2017 11:29:46 AM	B46673
Surr: 4-Bromofluorobenzene	110	80-120		%Rec	1	10/26/2017 11:29:46 AM	B46673

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: **BLAGG ENGR. / BP AMERICA**

Mailing Address: P.O. BOX 87
BLOOMFIELD, NM 87413

Phone #: (505) 632-1199

email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation:

☐ NELAP ☐ Other: _____☐ EDD (Type)

Turn-Around Time:

SAME DAY

☐ Standard ☒ Rush

Project Name:

GCU # 155

Project #:

Project Manager.

NELSON VELEZ

Sampler: NELSON VELEZ

On Ice: ☒ Yes ☐ No

Sample Temperature: $3.2 \pm 0.4 = 3.4$

[illegible]

Date: 10/25/17

Time: 1:00

Relinquished by:

Received by

Date Time

Remarks:

BILLING INFORMATION SHOULD BE FORWARDED FROM BP. IF NOT,
PLEASE CONTACT SABRE BEEBE [REDACTED] 81-5

Date _____

Time

Relinquished by:

Received by:

Date _____ Time _____

[illegible]

10/25/07

256

Chris

✓

26/7 08

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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#: 1710D76

31-Oct-17

Client: Blagg Engineering

Project: GCU 155

Sample ID	MB-34664		SampType:	mbk		TestCode:	EPA Method 300.0: Anions				
Client ID:	PBS		Batch ID:	34664		RunNo:	46677				
Prep Date:	10/26/2017		Analysis Date:	10/26/2017		SeqNo:	1488010		Units:		mg/Kg
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	ND	1.5									

Sample ID	LCS-34664	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	34664	RunNo:	46677					
Prep Date:	10/26/2017	Analysis Date:	10/26/2017	SeqNo:	1488011	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.3	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#: 1710D76

31-Oct-17

Client: Blagg Engineering

Project: GCU 155

Sample ID	LCS-34652		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 34652		RunNo: 46661					
Prep Date:	10/26/2017		Analysis Date: 10/26/2017		SeqNo: 1486701		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.7	73.2	114			
Surr: DNOP	3.8		5.000		76.8	70	130			

Sample ID	MB-34652		SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS		Batch ID: 34652		RunNo: 46661					
Prep Date:	10/26/2017		Analysis Date: 10/26/2017		SeqNo: 1486702		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	8.8		10.00		87.5	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#: 1710D76

31-Oct-17

Client: Blagg Engineering

Project: GCU 155

Sample ID	RB	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	G46673	RunNo:	46673					
Prep Date:		Analysis Date:	10/26/2017	SeqNo:	1487403	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	1200		1000		116	15	316			

Sample ID	2.5UG GRO LCS	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	G46673	RunNo:	46673					
Prep Date:		Analysis Date:	10/26/2017	SeqNo:	1487405	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	105	75.9	131			
Surr: BFB	1300		1000		125	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#: 1710D76

31-Oct-17

Client: Blagg Engineering

Project: GCU 155

Sample ID	RB	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	B46673	RunNo:	46673					
Prep Date:		Analysis Date:	10/26/2017	SeqNo:	1487457	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		110	80	120			

Sample ID	100NG BTEX LCS	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	B46673	RunNo:	46673					
Prep Date:		Analysis Date:	10/26/2017	SeqNo:	1487459	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	97.4	77.3	128			
Toluene	0.97	0.050	1.000	0	96.7	79.2	125			
Ethylbenzene	0.97	0.050	1.000	0	96.9	80.7	127			
Xylenes, Total	3.0	0.10	3.000	0	100	81.6	129			
Surr: 4-Bromofluorobenzene	1.1		1.000		114	80	120			

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



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: 1710D76

RcptNo: 1

Received By: Richie Eriacho 10/26/2017 8:00:00 AM

Completed By: Ashley Gallegos 10/26/2017 9:02:39 AM

Reviewed By: *[Signature]* 10/26/17

[Handwritten initials]

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	3.4	Good	Yes			

