

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

FEB 08 2018 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	SCHWERDTFEGER A LS 001	Facility Type:	Natural Gas Well

Surface Owner:	Federal	Mineral Owner:	Federal	API No.	3004506958
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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
M	36	28N	09W	990	South	990	West	San Juan

Latitude 36.61384 Longitude -107.74561 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.* Impacted soils & bedrock were discovered during the confirmation sampling on 12/07/2017. The point of release could not be identified, but appears to be historical based on the discoloration of the soils & bedrock sandstone. The initial release investigation was conducted immediately thereafter on the same day. A test hole was advanced beneath the BGT footprint in an attempt to delineate the vertical extent where TPH levels were non-detect. The NMOCD granted a verbal variance stipulating closure as is. Reasoning for the variance was the threat for the release to impact public health and safety is very low since most of the 137 ppm TPH was DRO (110 ppm) and the depth to groundwater is >100'.

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>	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Erin Garifalos	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Field Environmental Coordinator	Approval Date: 2/22/2018	Expiration Date:
E-mail Address: erin.garifalos@bp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: February 7, 2018 Phone: (832) 609-7048		

* Attach Additional Sheets If Necessary

NVF1805333405

CLIENT: **BP** **BLAGG ENGINEERING, INC.**
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199 API #: **3004506958**
 TANK ID (if applicable): **A**

FIELD REPORT:

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

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

SITE INFORMATION: SITE NAME: **SCHWERDTFEGER A LS # 1**
 QUAD/UNIT: **M** SEC: **36** TWP: **28N** RNG: **9W** PM: **NM** CNTY: **SJ** ST: **NM**
 1/4 -1/4/FOOTAGE: **990'S / 990'W** **SW/SW** LEASE TYPE: **FEDERAL** / STATE / FEE / INDIAN
 LEASE #: **SF079319** PROD. FORMATION: **PC/MV** CONTRACTOR: **BP - J. GONZALES**

DATE STARTED: **12/07/17**
 DATE FINISHED:
 ENVIRONMENTAL SPECIALIST(S): **NJV**

REFERENCE POINT: WELL HEAD (W.H.) GPS COORD.: **36.61411 X 107.74551** GL ELEV.: **5,918'**
 1) **95 BGT (SW/DB)** GPS COORD.: **36.61384 X 107.74561** DISTANCE/BEARING FROM W.H.: **93.5', S17W**
 2) GPS COORD.: DISTANCE/BEARING FROM W.H.:
 3) GPS COORD.: DISTANCE/BEARING FROM W.H.:
 4) GPS COORD.: DISTANCE/BEARING FROM W.H.:

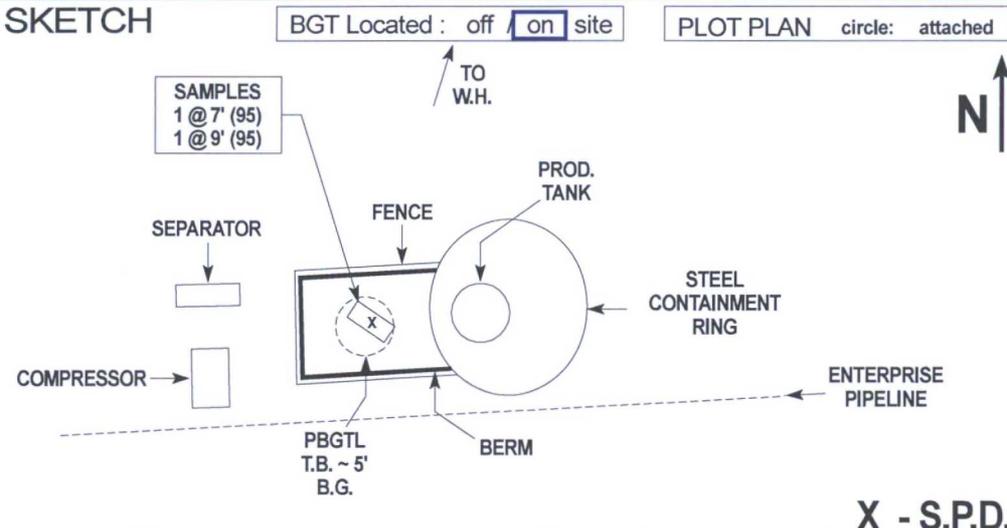
SAMPLING DATA:		CHAIN OF CUSTODY RECORD(S) # OR LAB USED: HALL			OVM READING (ppm)
1) SAMPLE ID: 1 @ 7' (95)	SAMPLE DATE: 12/07/17	SAMPLE TIME: 1310	LAB ANALYSIS: NA	1,259	
2) SAMPLE ID: 1 @ 9' (95)	SAMPLE DATE: 12/07/17	SAMPLE TIME: 1335	LAB ANALYSIS: 8015B/8021B/300.0 (CI)	46	
3) SAMPLE ID:	SAMPLE 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 / **OTHER** **BEDROCK (SANDSTONE)**
 SOIL COLOR: **DARK YELLOWISH BROWN** PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC
 COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / **HIGHLY COHESIVE** DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD
 CONSISTENCY (NON COHESIVE SOILS): **LOOSE** / FIRM / DENSE / **VERY DENSE** HC ODOR DETECTED: **YES** / NO EXPLANATION - **FROM DISCOLORED SANDSTONE**
 MOISTURE: **DRY** / **SLIGHTLY MOIST** / MOIST / WET / SATURATED / SUPER SATURATED **AT 5 - 8.5 FT. BELOW GRADE**
 SAMPLE TYPE: GRAB / **COMPOSITE** # OF PTS. **5** ANY AREAS DISPLAYING WETNESS: YES / **NO** EXPLANATION -
 DISCOLORATION/STAINING OBSERVED: **YES** / NO EXPLANATION - **LIGHT MEDIUM GRAY TO LIGHT GRAY BETWEEN 5 - 8.5 FT. BELOW GRADE, OLIVE GRAY BELOW 8.5 FT.**

SITE OBSERVATIONS: LOST INTEGRITY OF EQUIPMENT: YES / **NO** EXPLANATION -
 APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: **YES** / NO EXPLANATION: **PHYSICALLY; DISCOLORATION & APPARENT HYDROCARBON ODOR**
 EQUIPMENT SET OVER RECLAIMED AREA: **YES** / NO EXPLANATION - **105 BBL SHALLOW LOW PROFILE ABOVE-GRADE TANK TO BE SET ATOP BGT LOCATION.**
 OTHER: **NMOC D OR BLM REPS. NOT PRESENT TO WITNESS SAMPLING. BEDROCK - SOFT TO HARD WITHIN IMPACTED INTERVAL.**

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 D TPH CLOSURE STD: **1,000** ppm

SITE SKETCH



OVM CALIB. READ. = **100.0** ppm RF=1.00
 OVM CALIB. GAS = **100** ppm
 TIME: **11:30** am/pm DATE: **12/07/18**

MISCELL. NOTES

WO:
 REF #: **P-854**
 VID: **VHIXONEVB2**
 PJ #:
 Permit date(s): **06/14/10**
 OCD Appr. date(s): **10/19/17**
 Tank ID: **A** 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; 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: **12/07/17**

Analytical Report

Lab Order 1712470

Date Reported: 12/12/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 1 @ 9' (95)

Project: SCHWERDTFEGER A LS 1

Collection Date: 12/7/2017 1:55:00 PM

Lab ID: 1712470-001

Matrix: SOIL

Received Date: 12/8/2017 7:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CJS
Chloride	ND	30		mg/Kg	20	12/8/2017 12:15:32 PM	35404
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: MAB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/8/2017 10:13:27 AM	35399
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/8/2017 10:13:27 AM	35399
Surr: DNOP	86.4	70-130		%Rec	1	12/8/2017 10:13:27 AM	35399
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	32		mg/Kg	5	12/8/2017 10:14:38 AM	35387
Surr: BFB	94.4	15-316		%Rec	5	12/8/2017 10:14:38 AM	35387
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.16		mg/Kg	5	12/8/2017 10:14:38 AM	35387
Toluene	ND	0.32		mg/Kg	5	12/8/2017 10:14:38 AM	35387
Ethylbenzene	ND	0.32		mg/Kg	5	12/8/2017 10:14:38 AM	35387
Xylenes, Total	ND	0.64		mg/Kg	5	12/8/2017 10:14:38 AM	35387
Surr: 4-Bromofluorobenzene	90.9	80-120		%Rec	5	12/8/2017 10:14:38 AM	35387

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	Page 1 of 5
	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#: 1712470
 12-Dec-17

Client: Blagg Engineering
Project: SCHWERDTFEGER A LS 1

Sample ID MB-35404	SampType: mblk		TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 35404		RunNo: 47637							
Prep Date: 12/8/2017	Analysis Date: 12/8/2017		SeqNo: 1523421	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID LCS-35404	SampType: lcs		TestCode: EPA Method 300.0: Anions							
Client ID: LCSS	Batch ID: 35404		RunNo: 47637							
Prep Date: 12/8/2017	Analysis Date: 12/8/2017		SeqNo: 1523422	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.1	90	110			

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#: 1712470
12-Dec-17

Client: Blagg Engineering
Project: SCHWERDTFEGER A LS 1

Sample ID MB-35399	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 35399		RunNo: 47624							
Prep Date: 12/8/2017	Analysis Date: 12/8/2017		SeqNo: 1521657				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			

Sample ID LCS-35399	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 35399		RunNo: 47624							
Prep Date: 12/8/2017	Analysis Date: 12/8/2017		SeqNo: 1521778				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	91.9	73.2	114			
Surr: DNOP	4.1		5.000		81.2	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#: 1712470
12-Dec-17

Client: Blagg Engineering
Project: SCHWERDTFEGER A LS 1

Sample ID MB-35387	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 35387		RunNo: 47630							
Prep Date: 12/7/2017	Analysis Date: 12/8/2017		SeqNo: 1522746				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	1000		1000		102	15	316			

Sample ID LCS-35387	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 35387		RunNo: 47630							
Prep Date: 12/7/2017	Analysis Date: 12/8/2017		SeqNo: 1522747				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	113	75.9	131			
Surr: BFB	1200		1000		116	15	316			

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#: 1712470

12-Dec-17

Client: Blagg Engineering
Project: SCHWERDTFEGER A LS 1

Sample ID MB-35387	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 35387		RunNo: 47630							
Prep Date: 12/7/2017	Analysis Date: 12/8/2017		SeqNo: 1522757				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	0.99		1.000		99.3	80	120			

Sample ID LCS-35387	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 35387		RunNo: 47630							
Prep Date: 12/7/2017	Analysis Date: 12/8/2017		SeqNo: 1522758				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	94.7	77.3	128			
Toluene	0.94	0.050	1.000	0	94.2	79.2	125			
Ethylbenzene	0.93	0.050	1.000	0	93.4	80.7	127			
Xylenes, Total	2.8	0.10	3.000	0	94.8	81.6	129			
Surr: 4-Bromofluorobenzene	0.95		1.000		94.9	80	120			

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
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- 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: 1712470

RcptNo: 1

Received By: **Anne Thorne**

12/8/2017 7:55:00 AM

Anne Thorne

Completed By: **Anne Thorne**

12/8/2017 8:05:52 AM

Anne Thorne

Reviewed By: **DDS**

12/8/17

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? Yes No
- (Note discrepancies on chain of custody)
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? Yes No
- (If no, notify customer for authorization.)

# 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			