

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 August 8, 2011
FEB 07 2018
Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

Subsequent Report Final Report

Name of Company: BP America	Contact: Steve Moskal
Address: 380-A Airport Rd., Durango CO, 81303	Telephone No.: 505-330-9179
Facility Name: Gallegos Canyon Unit 155	Facility Type: Natural gas well

Surface Owner: Tribal	Mineral Owner: Federal	API No. 3004507269
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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
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Latitude 36.64323° Longitude -108.19174°

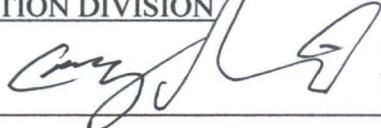
NATURE OF RELEASE

Type of Release: produced water	Volume of Release: 7.0 bbl	Volume Recovered: none
Source of Release: Suspected integrity failure of below ground tank	Date and Hour of Occurrence: unknown	Date and Hour of Discovery: September 19, 2016; 8:00 AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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.* During a well swabbing job it was noted a decrease in the level of the below grade tank. The level of the BGT was then closely monitored. It was noted that the level of the BGT had definitively dropped when returning to the site on 9/19/16. Review of the well file indicates a release dated November 27, 2013 may have not been addressed. However, during the stripping of equipment following plugging and abandonment of the well, samples were collected from the tank battery location and both below grade tank locations. The below grade tanks were closed out following NMAC 19.15.17.

Describe Area Affected and Cleanup Action Taken.* The fluid was removed from the tank. The tank will be removed and sampled for BTEX, TPH via 8015 and chlorides and submitted following the spill and release guidelines. Remediation proposed to be performed via soil shredding o March 29, 2017 has not been executed due to land access obtainment. BP has elected to plug and abandon the production well prior to beginning remediation at the site. During the stripping of the surface equipment at the site following the P&A of the well, soil samples were collected from the tank battery and the below grade tanks. The BGTs have been closed following NMAC 19.15.17. The results for the tank battery sampling are attached. Note, the condition of the tank battery appeared to be new in comparison of the other equipment on the location. It was likely remediated and renovated without being documented following the release on November 27, 2013. Based on the results of the attached laboratory results, no further 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: 	OIL CONSERVATION DIVISION	
Printed Name: Steve Moskal	Approved by Environmental Specialist: 	
Title: Field Environmental Coordinator	Approval Date: <u>2/26/18</u>	Expiration Date:
E-mail Address: steven.moskal@bp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: February 5, 2018	Phone: 505-326-9497	

* Attach Additional Sheets If Necessary

#NSK 1410138 797
#NCS 1634053 119

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Gallegos Canyon Unit 155 Tank Sampling

October 26, 2017

API: 30-045-07269

(N) - S23 - T28N - R13W

Legend

- ⊙ GCU 155 Wellhead
- Soil Sample Location (Composite)

Soil Sample Location (Composite)

GCU 155 Wellhead

Google Earth

© 2018 Google

100 ft





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

October 31, 2017

Steve Moskal
Blagg Engineering
P. O. Box 87
Bloomfield, NM 87413
TEL: (505) 632-1199
FAX (505) 632-3903

RE: GCU 155

OrderNo.: 1710E46

Dear Steve Moskal:

Hall Environmental Analysis Laboratory received 2 sample(s) on 10/27/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1710E46

Date Reported: 10/31/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: Production Tank 5-pt @ 12"

Project: GCU 155

Collection Date: 10/26/2017 11:03:00 AM

Lab ID: 1710E46-001

Matrix: MEOH (SOIL)

Received Date: 10/27/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	10/27/2017 1:02:41 PM	34680
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	10/27/2017 11:00:31 AM	34675
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/27/2017 11:00:31 AM	34675
Surr: DNOP	90.9	70-130		%Rec	1	10/27/2017 11:00:31 AM	34675
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	10/27/2017 10:01:55 AM	G46704
Surr: BFB	83.7	15-316		%Rec	1	10/27/2017 10:01:55 AM	G46704
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.018		mg/Kg	1	10/27/2017 10:01:55 AM	B46704
Toluene	ND	0.036		mg/Kg	1	10/27/2017 10:01:55 AM	B46704
Ethylbenzene	ND	0.036		mg/Kg	1	10/27/2017 10:01:55 AM	B46704
Xylenes, Total	ND	0.072		mg/Kg	1	10/27/2017 10:01:55 AM	B46704
Surr: 4-Bromofluorobenzene	97.1	80-120		%Rec	1	10/27/2017 10:01:55 AM	B46704

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: Production Tank 5-pt @ 40"

Project: GCU 155

Collection Date: 10/26/2017 11:28:00 AM

Lab ID: 1710E46-002

Matrix: MEOH (SOIL)

Received Date: 10/27/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	110	30		mg/Kg	20	10/27/2017 1:15:05 PM	34680
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	10/27/2017 11:22:32 AM	34675
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/27/2017 11:22:32 AM	34675
Surr: DNOP	91.4	70-130		%Rec	1	10/27/2017 11:22:32 AM	34675
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.5		mg/Kg	1	10/27/2017 10:25:22 AM	G46704
Surr: BFB	83.1	15-316		%Rec	1	10/27/2017 10:25:22 AM	G46704
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	10/27/2017 10:25:22 AM	B46704
Toluene	ND	0.045		mg/Kg	1	10/27/2017 10:25:22 AM	B46704
Ethylbenzene	ND	0.045		mg/Kg	1	10/27/2017 10:25:22 AM	B46704
Xylenes, Total	ND	0.090		mg/Kg	1	10/27/2017 10:25:22 AM	B46704
Surr: 4-Bromofluorobenzene	97.0	80-120		%Rec	1	10/27/2017 10:25:22 AM	B46704

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#: 1710E46

31-Oct-17

Client: Blagg Engineering

Project: GCU 155

Sample ID	MB-34680	SampType:	mbk	TestCode:	EPA Method 300.0: Anlons					
Client ID:	PBS	Batch ID:	34680	RunNo:	46707					
Prep Date:	10/27/2017	Analysis Date:	10/27/2017	SeqNo:	1488562	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-34680	SampType:	ics	TestCode:	EPA Method 300.0: Anlons					
Client ID:	LCSS	Batch ID:	34680	RunNo:	46707					
Prep Date:	10/27/2017	Analysis Date:	10/27/2017	SeqNo:	1488563	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.8	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#: 1710E46

31-Oct-17

Client: Blagg Engineering

Project: GCU 155

Sample ID	LCS-34675	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	34675	RunNo:	46696					
Prep Date:	10/27/2017	Analysis Date:	10/27/2017	SeqNo:	1487893	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.5	73.2	114			
Surr: DNOP	4.2		5.000		83.0	70	130			

Sample ID	MB-34675	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	34675	RunNo:	46696					
Prep Date:	10/27/2017	Analysis Date:	10/27/2017	SeqNo:	1487894	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	9.1		10.00		91.1	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#: 1710E46
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:	G46704	RunNo:	46704					
Prep Date:		Analysis Date:	10/27/2017	SeqNo:	1488186	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	830		1000		83.3	15	316			

Sample ID	2.5UG GRO LCS	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	G46704	RunNo:	46704					
Prep Date:		Analysis Date:	10/27/2017	SeqNo:	1488187	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	75.9	131			
Surr: BFB	960		1000		96.1	15	316			

Sample ID	MB-34651	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	34651	RunNo:	46704					
Prep Date:	10/26/2017	Analysis Date:	10/27/2017	SeqNo:	1488208	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	870		1000		87.2	15	316			

Sample ID	LCS-34651	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	34651	RunNo:	46704					
Prep Date:	10/26/2017	Analysis Date:	10/27/2017	SeqNo:	1488209	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	990		1000		99.0	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#: 1710E46

31-Oct-17

Client: Blagg Engineering

Project: GCU 155

Sample ID	RB	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	B46704	RunNo:	46704					
Prep Date:		Analysis Date:	10/27/2017	SeqNo:	1488226	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	0.98		1.000		98.1	80	120			

Sample ID	100NG BTEX LCS	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	B46704	RunNo:	46704					
Prep Date:		Analysis Date:	10/27/2017	SeqNo:	1488227	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.3	77.3	128			
Toluene	0.94	0.050	1.000	0	94.4	79.2	125			
Ethylbenzene	0.93	0.050	1.000	0	93.3	80.7	127			
Xylenes, Total	2.8	0.10	3.000	0	93.8	81.6	129			
Surr: 4-Bromofluorobenzene	0.96		1.000		96.5	80	120			

Sample ID	MB-34651	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	34651	RunNo:	46704					
Prep Date:	10/26/2017	Analysis Date:	10/27/2017	SeqNo:	1488248	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		99.7	80	120			

Sample ID	LCS-34651	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	34651	RunNo:	46704					
Prep Date:	10/26/2017	Analysis Date:	10/27/2017	SeqNo:	1488249	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		100	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
- 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: **1710E48**

RcptNo: **1**

Received By: **Sophia Campuzano** 10/27/2017 8:00:00 AM

Completed By: **Ashley Gallegos** 10/27/2017 8:38:37 AM

Reviewed By: *SZC* 10/27/17

Sophia Campuzano
Ashley Gallegos

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	3.1	Good	Yes			

