

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

MAY 03 2016

Form C-141
Revised August 8, 2011

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	Contact: Steve Moskal	
Address: 200 Energy Court, Farmington, NM 87401	Telephone No.: 505-326-9497	
Facility Name: Gallegos Canyon Unit 194E	Facility Type: Natural gas well	
Surface Owner: Federal	Mineral Owner: Federal	API No. 3004526363

LOCATION OF RELEASE



Unit Letter L	Section 9	Township 27N	Range 12W	Feet from the 1,840	North/South Line South	Feet from the 800	East/West Line West	County: San Juan
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Latitude 36.60182°

Longitude -108.14122°

NATURE OF RELEASE

Type of Release: Faulty fiberglass flowline	Volume of Release: unknown	Volume Recovered: none
Source of Release: Discovery of historic flowline leak during BGT removal.	Date and Hour of Occurrence: unknown	Date and Hour of Discovery: February 8, 2016; 11:30 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 removal of BGT for closure, BP discovered evidence of impacted soils alongside the BGT. The BGT appeared to be in good, working condition and no contamination was found directly below the BGT (at depth). Further assessment found impacts likely derived from an abandoned fiberglass flowline with a faulty cap. The area was excavated to remove the flowline and impacted soils.		
Describe Area Affected and Cleanup Action Taken.* The total area excavated measured approximately 41' x 19' x 7' in depth with the clean overburden segregated for use as backfill. A total of 180 cubic yards of soil was transported off site for landfarm treatment. Attached is a field report, final laboratory results and a completed C-138 documenting impacted soil disposal.		
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: 06/02/2016	Expiration Date:
E-mail Address: steven.moskal@bp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: May 2, 2016	Phone: 505-326-9497	

* Attach Additional Sheets If Necessary

NC51604633530

BP America
GCU 194E
(L) Sec 9 – T27N – R12W
San Juan County, New Mexico
API: 30-045-26363

Summary Record of Impact Remediation

February 8, 2016 Discovery of impacts associated with abandon pipelines adjacent to a 95 bbl BGT, which was being closed out pursuant to NMOCD regulations.

Site NMOCD/BLM closure standard determined at 100 ppm TPH based on:

Horizontal Distance to Dry Wash < 1,000 feet (10 points)
Nearest Water Well > 1,000 feet (0 points)
Depth to Groundwater < 100 feet (10 points)

March 28, 2016 Begin site remediation via excavation with trackhoe. Determine that impact area is limited to an area of approximately 41' x 19' x 7' deep along the abandon flow lines. Collect sidewall and base samples for closure. Witnessed by NMOCD and BLM.

March 29, 2016 Receive rush lab results. All passed.

Sample ID	Date/Time	Field OVM	TPH 8015B (DRO+GRO)	BTEX 8021	Chloride	Comments
Base 5-pt @ 7'	3/28/2016 @ 14:08	208 ppm	24 mg/Kg	0.894 mg/Kg	37 mg/Kg	Passed
North & West Wall 5-pt (3'-6')	3/28/2016 @ 14:20	133 ppm	18 mg/Kg	0.503 mg/Kg	71 mg/Kg	Passed
South & West Wall 5-pt (3'-6')	3/28/2016 @ 14:26	36.1 ppm	ND	0.054 mg/Kg	78 mg/Kg	Passed
East Wall 5-pt (3'-6')	3/28/2016 @ 14:31	1.3 ppm	ND	ND	ND	Passed
NMOCD/BLM	Closure Standard:	NA	100 mg/Kg	50 mg/Kg	1,000 mg/Kg	

March 31, 2016 Complete backfilling operations. Total volume transported to Envirotech Landfarm = 180 cubic yards (Form C-138 Attached).

BP - GCU 194E

(L) Sec. 5, T27N, R12W
API # 3004526363

Imagery date: 3/15/2015.

South & West Wall 5-pt Composite
OVM = 133.3 ppm
TPH = 18 mg/Kg
Benzene = 0.043 mg/Kg
Total BTEX = 0.503 mg/Kg

South & West Wall 5-pt Composite
OVM = 36.1 ppm
TPH = ND (<10 mg/Kg)
Benzene = ND (<0.021 mg/Kg)
Total BTEX = 0.054 mg/Kg

Remedial Excavation Perimeter
Approx. 41 ft. x 19 ft. x 7 ft. avg depth or 572 sq. ft.
(150 cubic yards overall)
Impacted Soils avg. thickness - 1.5 ft.
(30 - 35 cubic yards)

East Wall 5-pt Composite
OVM = 1.3 ppm
TPH = ND (<9.5 mg/Kg)
Benzene = ND (<0.017 mg/Kg)
Total BTEX = ND (<0.067 mg/Kg)

Base 5-pt Composite @ 7' depth
OVM = 208.5 ppm
TPH = 24 mg/Kg
Benzene = 0.066 mg/Kg
Total BTEX = 0.894 mg/Kg



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

March 30, 2016

Jeff Blagg
Blagg Engineering
P. O. Box 87
Bloomfield, NM 87413
TEL:
FAX

RE: GCU 194E

OrderNo.: 1603D51

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/29/2016 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,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1603D51

Date Reported: 3/30/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: Base 5-pt@7'

Project: GCU 194E

Collection Date: 3/28/2016 2:08:00 PM

Lab ID: 1603D51-001

Matrix: MEOH (SOIL)

Received Date: 3/29/2016 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	37	30		mg/Kg	20	3/29/2016 11:28:47 AM	24484
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/29/2016 10:32:20 AM	24481
Surr: DNOP	99.9	70-130		%Rec	1	3/29/2016 10:32:20 AM	24481
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	24	4.1		mg/Kg	1	3/29/2016 8:58:53 AM	24469
Surr: BFB	243	66.2-112	S	%Rec	1	3/29/2016 8:58:53 AM	24469
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.066	0.020		mg/Kg	1	3/29/2016 8:58:53 AM	24469
Toluene	0.26	0.041		mg/Kg	1	3/29/2016 8:58:53 AM	24469
Ethylbenzene	0.088	0.041		mg/Kg	1	3/29/2016 8:58:53 AM	24469
Xylenes, Total	0.48	0.081		mg/Kg	1	3/29/2016 8:58:53 AM	24469
Surr: 4-Bromofluorobenzene	124	80-120	S	%Rec	1	3/29/2016 8:58:53 AM	24469

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
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report

Lab Order 1603D51

Date Reported: 3/30/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: North + West Wall 5-pt (3'-6')

Project: GCU 194E

Collection Date: 3/28/2016 2:20:00 PM

Lab ID: 1603D51-002

Matrix: MEOH (SOIL)

Received Date: 3/29/2016 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	71	30		mg/Kg	20	3/29/2016 11:41:12 AM	24484
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/29/2016 10:53:55 AM	24481
Surr: DNOP	108	70-130		%Rec	1	3/29/2016 10:53:55 AM	24481
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	18	4.3		mg/Kg	1	3/29/2016 9:22:24 AM	24469
Surr: BFB	130	66.2-112	S	%Rec	1	3/29/2016 9:22:24 AM	24469
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.043	0.021		mg/Kg	1	3/29/2016 9:22:24 AM	24469
Toluene	ND	0.043		mg/Kg	1	3/29/2016 9:22:24 AM	24469
Ethylbenzene	ND	0.043		mg/Kg	1	3/29/2016 9:22:24 AM	24469
Xylenes, Total	0.46	0.085		mg/Kg	1	3/29/2016 9:22:24 AM	24469
Surr: 4-Bromofluorobenzene	116	80-120		%Rec	1	3/29/2016 9:22:24 AM	24469

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 2 of 8
	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	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified	

Analytical Report

Lab Order 1603D51

Date Reported: 3/30/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: South + West Wall 5-pt (3'-6')

Project: GCU 194E

Collection Date: 3/28/2016 2:26:00 PM

Lab ID: 1603D51-003

Matrix: MEOH (SOIL)

Received Date: 3/29/2016 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	78	30		mg/Kg	20	3/29/2016 11:53:37 AM	24484
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/29/2016 11:15:23 AM	24481
Surr: DNOP	105	70-130		%Rec	1	3/29/2016 11:15:23 AM	24481
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	3/29/2016 9:45:59 AM	24469
Surr: BFB	124	66.2-112	S	%Rec	1	3/29/2016 9:45:59 AM	24469
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.021		mg/Kg	1	3/29/2016 9:45:59 AM	24469
Toluene	0.054	0.043		mg/Kg	1	3/29/2016 9:45:59 AM	24469
Ethylbenzene	ND	0.043		mg/Kg	1	3/29/2016 9:45:59 AM	24469
Xylenes, Total	ND	0.085		mg/Kg	1	3/29/2016 9:45:59 AM	24469
Surr: 4-Bromofluorobenzene	111	80-120		%Rec	1	3/29/2016 9:45:59 AM	24469

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
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report

Lab Order 1603D51

Date Reported: 3/30/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: East Wall 5-pt (3'-6')

Project: GCU 194E

Collection Date: 3/28/2016 2:31:00 PM

Lab ID: 1603D51-004

Matrix: MEOH (SOIL)

Received Date: 3/29/2016 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	3/29/2016 12:06:01 PM	24484
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	3/29/2016 11:37:02 AM	24481
Surr: DNOP	111	70-130		%Rec	1	3/29/2016 11:37:02 AM	24481
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	3/29/2016 10:09:44 AM	24469
Surr: BFB	109	66.2-112		%Rec	1	3/29/2016 10:09:44 AM	24469
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.017		mg/Kg	1	3/29/2016 10:09:44 AM	24469
Toluene	ND	0.033		mg/Kg	1	3/29/2016 10:09:44 AM	24469
Ethylbenzene	ND	0.033		mg/Kg	1	3/29/2016 10:09:44 AM	24469
Xylenes, Total	ND	0.067		mg/Kg	1	3/29/2016 10:09:44 AM	24469
Surr: 4-Bromofluorobenzene	110	80-120		%Rec	1	3/29/2016 10:09:44 AM	24469

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
	R	RPD outside accepted recovery limits	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#: 1603D51

30-Mar-16

Client: Blagg Engineering

Project: GCU 194E

Sample ID	MB-24484	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	24484	RunNo:	33158					
Prep Date:	3/29/2016	Analysis Date:	3/29/2016	SeqNo:	1018203	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-24484	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	24484	RunNo:	33158					
Prep Date:	3/29/2016	Analysis Date:	3/29/2016	SeqNo:	1018204	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.2	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
R RPD outside accepted recovery limits	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#: 1603D51

30-Mar-16

Client: Blagg Engineering

Project: GCU 194E

Sample ID	LCS-24481		SampType:	LCS		TestCode:	EPA Method 8015M/D: Diesel Range Organics			
Client ID:	LCSS		Batch ID:	24481		RunNo:	33126			
Prep Date:	3/29/2016		Analysis Date:	3/29/2016		SeqNo:	1017141		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.4	65.8	136			
Surr: DNOP	4.8		5.000		96.2	70	130			

Sample ID	MB-24481		SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics			
Client ID:	PBS		Batch ID:	24481		RunNo:	33126			
Prep Date:	3/29/2016		Analysis Date:	3/29/2016		SeqNo:	1017142		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	11		10.00		105	70	130			

Sample ID	1603D51-001AMS		SampType:	MS		TestCode:	EPA Method 8015M/D: Diesel Range Organics			
Client ID:	Base 5-pt@7'		Batch ID:	24481		RunNo:	33126			
Prep Date:	3/29/2016		Analysis Date:	3/29/2016		SeqNo:	1017244		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.5	47.48	0	92.6	31.2	162			
Surr: DNOP	4.6		4.748		97.8	70	130			

Sample ID	1603D51-001AMSD		SampType:	MSD		TestCode:	EPA Method 8015M/D: Diesel Range Organics			
Client ID:	Base 5-pt@7'		Batch ID:	24481		RunNo:	33126			
Prep Date:	3/29/2016		Analysis Date:	3/29/2016		SeqNo:	1017245		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.25	0	88.5	31.2	162	1.15	31.7	
Surr: DNOP	4.8		5.025		95.6	70	130	0	0	

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 |
| R RPD outside accepted recovery limits | 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#: 1603D51

30-Mar-16

Client: Blagg Engineering

Project: GCU 194E

Sample ID	MB-24469		SampType:	MBLK		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	PBS		Batch ID:	24469		RunNo:	33130				
Prep Date:	3/28/2016		Analysis Date:	3/29/2016		SeqNo:	1017591		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	1100		1000		107	66.2	112				

Sample ID	LCS-24469		SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	LCSS		Batch ID: 24469		RunNo: 33130					
Prep Date:	3/28/2016		Analysis Date: 3/29/2016		SeqNo: 1017592		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.0	80	120			
Surr: BFB	1100		1000		115	66.2	112			S

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
R RPD outside accepted recovery limits	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#: 1603D51

30-Mar-16

Client: Blagg Engineering

Project: GCU 194E

Sample ID	MB-24469		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	24469		RunNo:	33130			
Prep Date:	3/28/2016		Analysis Date:	3/29/2016		SeqNo:	1017599		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		111	80	120			

Sample ID	LCS-24469		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	24469		RunNo:	33130			
Prep Date:	3/28/2016		Analysis Date:	3/29/2016		SeqNo:	1017600		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	95.3	75.3	123			
Toluene	0.92	0.050	1.000	0	92.1	80	124			
Ethylbenzene	0.93	0.050	1.000	0	92.5	82.8	121			
Xylenes, Total	2.7	0.10	3.000	0	91.0	83.9	122			
Surr: 4-Bromofluorobenzene	1.1		1.000		113	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
R RPD outside accepted recovery limits	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: **1603D51**

RcptNo: **1**

Received by/date:

[Signature] 03/29/16

Logged By: **Lindsay Mangin**

3/29/2016 7:45:00 AM

[Signature]

Completed By: **Lindsay Mangin**

3/29/2016 8:14:09 AM

[Signature]

Reviewed By:

TO

03/29/16

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:

☐ eMail

☐ Phone

☐ Fax

☐ 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	2.3	Good	Yes			

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 noted on the analytical report.

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 03143-1175
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised August 1, 2011

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: BP America Production Co. 200 Energy Ct. Farmington, NM 87401
2. Originating Site: Gallegos Canyon Unit 194E VID: VHIXONEVRM March 2016
3. Location of Material (Street Address, City, State or ULSTR): QRT/QRT: NW/SW Unit: L Section: 5 T27N R12W
4. Source and Description of Waste: Hydrocarbon impacted soil from a flowline release. Estimated Volume 125 yd ³ /bbls Known Volume (to be entered by the operator at the end of the haul) 180 yd ³ /bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, Steve Moskal <i>[Signature]</i> , representative or authorized agent for BP America Production Company do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) <input checked="" type="checkbox"/> RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <i>Operator Use Only: Waste Acceptance Frequency</i> <input type="checkbox"/> Monthly <input type="checkbox"/> Weekly <input type="checkbox"/> Per Load <input type="checkbox"/> RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) <input type="checkbox"/> MSDS Information <input type="checkbox"/> RCRA Hazardous Waste Analysis <input checked="" type="checkbox"/> Process Knowledge <input type="checkbox"/> Other (Provide description in Box 4) GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS I, Steve Moskal <i>[Signature]</i> , representative for BP America Production Company authorize IEI to complete the required testing/sign the Generator Waste Testing Certification. I, <i>[Signature]</i> , representative for Envirotech Inc do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.
5. Transporter: Crossfire

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Envirotech Landfarm #2; Permit # NM-01-0011

Address of Facility: #43 CR 7175, 14 Miles S of Bloomfield, NM

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☒ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: Eric Liese

TITLE: Landfarm Administrator DATE: 3/29/16

SIGNATURE: *[Signature]*
Surface Waste Management Facility Authorized Agent

TELEPHONE NO.: (505) 632-0615