

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 CONS. DIV DIST. 3

Form C-141
Revised August 8, 2011

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

MAY 07 2015

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: Jeff Peace
Address: 200 Energy Court, Farmington, NM 87401	Telephone No.: 505-326-9479
Facility Name: Gallegos Canyon Unit 326	Facility Type: Natural gas well

Surface Owner: Private	Mineral Owner: State	API No. 3004524616
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LOCATION OF RELEASE

Unit Letter F	Section 36	Township 29N	Range 13W	Feet from the 1,610	North/South Line North	Feet from the 1,540	East/West Line West	County: San Juan
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Latitude 36.68604 Longitude 108.16125

NATURE OF RELEASE

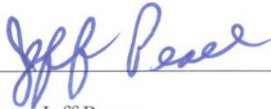
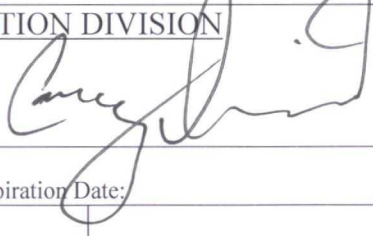
Type of Release: unknown, possibly produced water	Volume of Release: unknown	Volume Recovered: none
Source of Release: below grade tank – 95 bbl	Date and Hour of Occurrence: unknown	Date and Hour of Discovery: 3/13/2012; 11:35 AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" 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 to ensure no soil impacts from the BGT. Soil analysis resulted in TPH and BTEX below standards. Chloride was 480 ppm by Method 300. Analysis results are attached.

Describe Area Affected and Cleanup Action Taken.* BGT was removed and the area underneath the BGT was sampled. Soil under the BGT showed 480 ppm chloride, indicating a possible produced water release. Competent sandstone bedrock was found at four feet below grade. Due to the sandstone bedrock and depth to groundwater greater than 100 feet BP requests a risk-based closure approval for this site.

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: Jeff Peace	Approved by Environmental Specialist: 	
Title: Field Environmental Coordinator	Approval Date: 6/26/15	Expiration Date:
E-mail Address: peace.jeffrey@bp.com	Conditions of Approval:	
Date: May 4, 2015 Phone: 505-326-9479	Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

#N5K 151325 3743

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1203752

Date Reported: 3/28/2012

CLIENT: Blagg Engineering**Client Sample ID:** 95 BGT 5-pt @ 4'**Project:** GCU 326**Collection Date:** 3/13/2012 11:35:00 AM**Lab ID:** 1203752-001**Matrix:** SOIL**Received Date:** 3/21/2012 9:59:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: JMP
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/23/2012 7:20:43 AM
Surr: DNOP	91.0	77.4-131		%REC	1	3/23/2012 7:20:43 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/24/2012 4:27:13 AM
Surr: BFB	96.8	69.7-121		%REC	1	3/24/2012 4:27:13 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.049		mg/Kg	1	3/24/2012 4:27:13 AM
Toluene	ND	0.049		mg/Kg	1	3/24/2012 4:27:13 AM
Ethylbenzene	ND	0.049		mg/Kg	1	3/24/2012 4:27:13 AM
Xylenes, Total	ND	0.097		mg/Kg	1	3/24/2012 4:27:13 AM
Surr: 4-Bromofluorobenzene	98.1	80-120		%REC	1	3/24/2012 4:27:13 AM
EPA METHOD 300.0: ANIONS						Analyst: BRM
Chloride	480	30		mg/Kg	20	3/23/2012 4:49:31 PM
EPA METHOD 418.1: TPH						Analyst: JMP
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	3/26/2012

Qualifiers: */X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1203752

28-Mar-12

Client: Blagg Engineering

Project: GCU 326

Sample ID	MB-1216	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	1216	RunNo:	1638					
Prep Date:	3/23/2012	Analysis Date:	3/23/2012	SeqNo:	46406	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-1216	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	1216	RunNo:	1638					
Prep Date:	3/23/2012	Analysis Date:	3/23/2012	SeqNo:	46407	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.6	90	110			

Sample ID	1203870-001BMS	SampType:	MS	TestCode:	EPA Method 300.0: Anions					
Client ID:	BatchQC	Batch ID:	1216	RunNo:	1638					
Prep Date:	3/23/2012	Analysis Date:	3/23/2012	SeqNo:	46409	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	30	15.00	0	124	74.6	118			S

Sample ID	1203870-001BMSD	SampType:	MSD	TestCode:	EPA Method 300.0: Anions					
Client ID:	BatchQC	Batch ID:	1216	RunNo:	1638					
Prep Date:	3/23/2012	Analysis Date:	3/23/2012	SeqNo:	46410	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	30	15.00	0	121	74.6	118	0	20	S

Qualifiers:

* / X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1203752

28-Mar-12

Client: Blagg Engineering

Project: GCU 326

Sample ID	MB-1194	SampType: MBLK		TestCode: EPA Method 418.1: TPH						
Client ID:	PBS	Batch ID: 1194		RunNo: 1685						
Prep Date:	3/22/2012	Analysis Date: 3/26/2012		SeqNo: 47661		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	LCS-1194	SampType: LCS			TestCode: EPA Method 418.1: TPH					
Client ID:	LCSS	Batch ID: 1194			RunNo: 1685					
Prep Date:	3/22/2012	Analysis Date: 3/26/2012			SeqNo: 47662		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	99	20	100.0	0	98.6	87.8	115			

Sample ID	LCSD-1194	SampType: LCSD			TestCode: EPA Method 418.1: TPH					
Client ID:	LCSS02	Batch ID: 1194			RunNo: 1685					
Prep Date:	3/22/2012	Analysis Date: 3/26/2012			SeqNo: 47663		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	100	20	100.0	0	102	87.8	115	3.00	8.04	

Qualifiers:

* / X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1203752

28-Mar-12

Client: Blagg Engineering

Project: GCU 326

Sample ID	MB-1191	SampType:	MBLK	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	PBS	Batch ID:	1191	RunNo:	1609					
Prep Date:	3/22/2012	Analysis Date:	3/23/2012	SeqNo:	45669	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	9.3		10.00		92.7	77.4	131			

Sample ID	LCS-1191	SampType:	LCS	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	1191	RunNo:	1609					
Prep Date:	3/22/2012	Analysis Date:	3/23/2012	SeqNo:	45830	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	83.3	62.7	139			
Surr: DNOP	4.2		5.000		84.5	77.4	131			

Sample ID	1203662-017AMS	SampType:	MS	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	BatchQC	Batch ID:	1191	RunNo:	1609					
Prep Date:	3/22/2012	Analysis Date:	3/23/2012	SeqNo:	46074	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	51.33	0	102	57.2	146			
Surr: DNOP	4.5		5.133		88.5	77.4	131			

Sample ID	1203662-017AMSD	SampType:	MSD	TestCode:	EPA Method 8015B: Diesel Range Organics					
Client ID:	BatchQC	Batch ID:	1191	RunNo:	1609					
Prep Date:	3/22/2012	Analysis Date:	3/23/2012	SeqNo:	46076	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.05	0	84.4	57.2	146	21.2	26.7	
Surr: DNOP	4.5		5.005		89.0	77.4	131	0	0	

Qualifiers:

* / X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1203752

28-Mar-12

Client: Blagg Engineering

Project: GCU 326

Sample ID	MB-1182	SampType:	MBLK	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	PBS	Batch ID:	1182	RunNo:	1710					
Prep Date:	3/21/2012	Analysis Date:	3/26/2012	SeqNo:	48158	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	940		1,000		93.9	69.7	121			

Sample ID	LCS-1182	SampType:	LCS	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	LCSS	Batch ID:	1182	RunNo:	1710					
Prep Date:	3/21/2012	Analysis Date:	3/26/2012	SeqNo:	48159	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	106	98.5	133			
Surr: BFB	990		1,000		98.9	69.7	121			

Sample ID	1203751-001AMS	SampType:	MS	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	BatchQC	Batch ID:	1182	RunNo:	1710					
Prep Date:	3/21/2012	Analysis Date:	3/27/2012	SeqNo:	48179	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.9	24.53	3.539	92.5	85.4	147			
Surr: BFB	1,100		981.4		112	69.7	121			

Sample ID	1203751-001AMSD	SampType:	MSD	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	BatchQC	Batch ID:	1182	RunNo:	1710					
Prep Date:	3/21/2012	Analysis Date:	3/27/2012	SeqNo:	48180	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	4.8	24.04	3.539	109	85.4	147	12.2	19.2	
Surr: BFB	1,200		961.5		128	69.7	121	0	0	S

Qualifiers:

* / X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1203752

28-Mar-12

Client: Blagg Engineering

Project: GCU 326

Sample ID	MB-1182	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID: 1182			RunNo: 1711					
Prep Date:	3/21/2012	Analysis Date: 3/26/2012			SeqNo: 48204		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		93.5	80	120			

Sample ID	LCS-1182	SampType: LCS			TestCode: EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID: 1182			RunNo: 1711					
Prep Date:	3/21/2012	Analysis Date: 3/26/2012			SeqNo: 48206		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.050	1.000	0	88.8	83.3	107			
Toluene	0.92	0.050	1.000	0	91.7	74.3	115			
Ethylbenzene	0.93	0.050	1.000	0	93.4	80.9	122			
Xylenes, Total	2.8	0.10	3.000	0	94.1	85.2	123			
Surr: 4-Bromofluorobenzene	0.95		1.000		95.4	80	120			

Qualifiers:

*X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87105
TEL: 505-345-3975 FAX: 505-345-4101
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **BLAGG** Work Order Number: 1203752

Received by/date: AG 03/21/12

Logged By: **Michelle Garcia** 3/21/2012 9:59:00 AM

Michelle Garcia

Completed By: **Michelle Garcia** 3/21/2012 10:24:44 AM

Michelle Garcia

Reviewed By: [Signature] 03/21/12

Chain of Custody

1. Were seals intact? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Greyhound

Log In

4. Coolers are present? (see 19. for cooler specific information) Yes ☒ No ☐ NA ☐
5. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
6. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
7. Sample(s) in proper container(s)? Yes ☒ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
10. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
11. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
12. Were any sample containers received broken? Yes ☐ No ☒
13. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
14. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
15. Is it clear what analyses were requested? Yes ☒ No ☐
16. 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)

17. 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: _____

18. Additional remarks:

19. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Not Present			

MG

Client: BLAKE ENGINEERING INC.

Mailing Address: P.O. Box 97

Bloomfield, NM 87413

Phone #: 505-632-1199

email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other☐ EDD (Type)

Date	Time	Matrix	Sample Request ID
------	------	--------	-------------------

3/13/12	1135	SOIL	95 BGT 5-pt @ 4 ✓
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Date:	Time:	Relinquished by:
3/20/12	1145	John Bly

Date:	Time:	Relinquished by:
3/21/12	645	Christine Wheeler

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

GCU 326

Project #:

Project Manager:

J. B. AGG

Sampler: J. B. AGG

On Ice ☒ Yes ☐ No

Sample Temperature: 3

Container Type and #	Preservative Type
-------------------------	----------------------

407 x 1	COOL
---------	------

Received by:	Date	Time
Christie Wooten	3/22/12	1145

Received by:	Date	Time
(03/21/12 09:56)		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

BTEX + MIBE + IMBS (8021)

BTEX + MTBE + TPH (Gas only)

TPPH Method 8015B (Gas/Diesel)

TPH (Method 418.1)

EDB (Method 504.1)

8310 (PNA or PAH)

RCRA 8 Metals

Anions (F, Cl, NO₃, NO₂, PO₄, SO₄)

8081 Pesticides / 8082 PCB's

8260B (VOA)

8270 (Semi-VOA)

3/18/2012

☒

Air Rubbles (Y or N)