

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

JAN 08 2016

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 310	Facility Type: Natural gas well

Surface Owner: Tribal	Mineral Owner: Tribal	API No. 3004524728
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LOCATION OF RELEASE

Unit Letter H	Section 09	Township 28N	Range 12W	Feet from the 815	North/South Line North	Feet from the 1,790	East/West Line East	County: San Juan
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Latitude 36.67349° Longitude -108.11402°

NATURE OF RELEASE

Type of Release: produced water	Volume of Release: 80 bbl produced water	Volume Recovered: 10 bbl
Source of Release: Tank overflow	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: December 14, 2015; 8:30 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? A phone call to Cory Smith	
By Whom? Steve Moskal of BP	Date and Hour: 12/14/2015 at 2:25 PM	
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.* Well had been shut in for a prolonged period. When well was put back on-line on 12/9/15, water production was minimal. Water production increased significantly sometime after the afternoon of 12/11/15. Low profile tank was filled and overflowed. Tank not equipped with automation to kill pump jack. Calculation of release based on an observed 2 bbl per hour production rate. Approximately 10 bbl of fluid removed via vac-truck.

Describe Area Affected and Cleanup Action Taken.* The well was shut in until low profile tank could be evacuated. Freestanding fluids were removed from the bermed area for offsite disposal via injection well. Soil samples were collected for laboratory analysis following the spill and release guidelines. Results of laboratory analysis determined TPH and BTEX to be below laboratory detection limits and chloride above closure standards at 2,400 ppm. A gypsum soil amendment will be added to the soil and raked in place.

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>1/21/2016</u>	Expiration Date:
E-mail Address: steven.moskal@bp.com	Conditions of Approval: —	Attached <input type="checkbox"/>
Date: January 7, 2016	Phone: 505-326-9497	

* Attach Additional Sheets If Necessary

NCS 1534851898



CLIENT: BP **BLAGG ENGINEERING, INC.**
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199 API #: 30-045-24728
TANK ID (if applicable): NA

FIELD REPORT: (circle one): BGT CONFIRMATION RELEASE INVESTIGATION / OTHER:
From 95 Low Profile Overflow PAGE #: 1 of 1

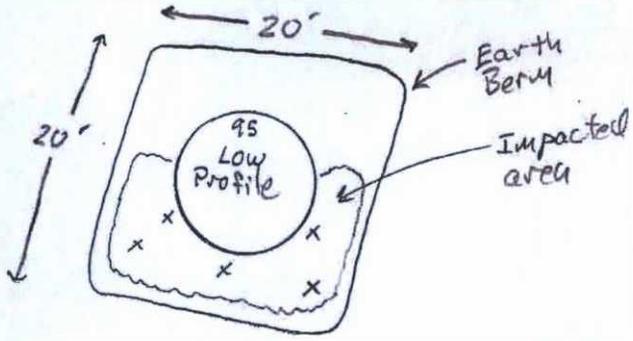
SITE INFORMATION: SITE NAME: GCU 310 DATE STARTED: 12/15/2015
QUAD/UNIT: J SEC: 9 TWP: 28N RING: 12W PM: NM CNTY: SJ ST: NM DATE FINISHED: 12/15/2015
1/4-1/4 FOOTAGE: 1455 FSL x 1750 FEL LEASE TYPE: FEDERAL / STATE / FEE INDIAN ENVIRONMENTAL SPECIALIST(S): JCB
LEASE #: I-149-IND-8474 PROD. FORMATION: — CONTRACTOR: —

REFERENCE POINT: WELL HEAD (W.H.) GPS COORD.: 36.67343 x 108.11390 GL ELEV.: 5401
1) _____ GPS COORD.: _____ DISTANCE/BEARING FROM WH: _____
2) _____ GPS COORD.: _____ DISTANCE/BEARING FROM WH: _____
3) _____ GPS COORD.: _____ DISTANCE/BEARING FROM WH: _____
4) _____ GPS COORD.: _____ DISTANCE/BEARING FROM WH: _____

SAMPLING DATA: CHAIN OF CUSTODY RECORD(S) # OR LAB USED: HALL OVM READING (ppm) 0.0
1) SAMPLE ID: SPILL 5-pt 3"-9" SAMPLE DATE: 12/15/15 SAMPLE TIME: 0830 LAB ANALYSIS: TPH/BTEX/CL-
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: _____

SOIL DESCRIPTION: SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____
SOIL COLOR: TAN 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: _____
MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED ANY AREAS DISPLAYING WETNESS: YES / NO EXPLANATION: Impact area on south side of TANK
SAMPLE TYPE: GRAB COMPOSITE - # OF PTS. _____ DISCOLORATION/STAINING OBSERVED: YES NO EXPLANATION: _____

SITE OBSERVATIONS: LOST INTEGRITY OF EQUIPMENT: YES NO EXPLANATION: CONFIRMED OVERFLOW
APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: YES NO EXPLANATION: _____
EQUIPMENT SET OVER RECLAIMED AREA: YES NO EXPLANATION: 95 Low Profile PARTIALLY IN Release Area
OTHER: WATER OVERFLOW Picked UP by VAC TRUCK ON 12/14/15. soils very moist, but NO standing water contained in BERM.
SOIL IMPACT DIMENSION ESTIMATION: 20 ft x 12 ft x 1 ft EXCAVATION ESTIMATION (Cubic Yards): _____
DEPTH TO GROUNDWATER: < 25' NEAREST WATER SOURCE: > 1000 NEAREST SURFACE WATER: < 1000 NMCCD TPH CLOSURE STD: 100 ppm

SITE SKETCH BGT Located: off / on site PLOT PLAN circle: attached OVM CALIB. READ. = 98 ppm RF=0.52
OVM CALIB. GAS = 100 ppm TIME 0630 DATE 12/15


MISCELL. NOTES
WO: _____
PO #: _____
PK: _____
PJ #: _____
Permit date(s): _____
OCD Appr. date(s): _____
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
ON SITE: 12/15/2015





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

January 06, 2016

Jeff Blagg
Blagg Engineering
P. O. Box 87
Bloomfield, NM 87413
TEL: (505) 320-1183
FAX (505) 632-3903

RE: GCU 310

OrderNo.: 1512869

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/17/2015 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 qualifers 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 1512869

Date Reported: 1/6/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: Spill: 5-pt Comp 3"-9" Depth

Project: GCU 310

Collection Date: 12/15/2015 8:30:00 AM

Lab ID: 1512869-001

Matrix: SOIL

Received Date: 12/17/2015 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	2400	75		mg/Kg	50	12/28/2015 5:23:01 PM	22932
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/23/2015 12:05:07 PM	22891
Surr: DNOP	94.6	70-130		%REC	1	12/23/2015 12:05:07 PM	22891
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/21/2015 10:02:53 PM	22878
Surr: BFB	78.4	66.2-112		%REC	1	12/21/2015 10:02:53 PM	22878
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	12/21/2015 10:02:53 PM	22878
Toluene	ND	0.047		mg/Kg	1	12/21/2015 10:02:53 PM	22878
Ethylbenzene	ND	0.047		mg/Kg	1	12/21/2015 10:02:53 PM	22878
Xylenes, Total	ND	0.095		mg/Kg	1	12/21/2015 10:02:53 PM	22878
Surr: 4-Bromofluorobenzene	103	80-120		%REC	1	12/21/2015 10:02:53 PM	22878

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	

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1512869

06-Jan-16

Client: Blagg Engineering

Project: GCU 310

Sample ID	MB-22932	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	22932	RunNo:	31040					
Prep Date:	12/23/2015	Analysis Date:	12/22/2015	SeqNo:	949405	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-22932	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	22932	RunNo:	31040					
Prep Date:	12/23/2015	Analysis Date:	12/22/2015	SeqNo:	949406	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.8	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
- R RPD outside accepted recovery limits
- 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1512869

06-Jan-16

Client: Blagg Engineering

Project: GCU 310

Sample ID	MB-22891	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	22891	RunNo:	31050					
Prep Date:	12/21/2015	Analysis Date:	12/23/2015	SeqNo:	949823	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	9.4		10.00		93.9	70	130			

Sample ID	LCS-22891	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	22891	RunNo:	31050					
Prep Date:	12/21/2015	Analysis Date:	12/23/2015	SeqNo:	949824	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.4	65.8	136			
Surr: DNOP	4.3		5.000		86.4	70	130			

Sample ID	MB-22933	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	22933	RunNo:	31045					
Prep Date:	12/23/2015	Analysis Date:	12/23/2015	SeqNo:	950382	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.3		10.00		92.5	70	130			

Sample ID	LCS-22933	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	22933	RunNo:	31069					
Prep Date:	12/23/2015	Analysis Date:	12/28/2015	SeqNo:	950983	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.2		5.000		104	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
- R RPD outside accepted recovery limits
- 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1512869

06-Jan-16

Client: Blagg Engineering

Project: GCU 310

Sample ID	MB-22878	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	22878	RunNo:	30983					
Prep Date:	12/18/2015	Analysis Date:	12/21/2015	SeqNo:	947878	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	790		1000		79.2	66.2	112			

Sample ID	LCS-22878	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	22878	RunNo:	30983					
Prep Date:	12/18/2015	Analysis Date:	12/21/2015	SeqNo:	947879	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	109	79.6	122			
Surr: BFB	1000		1000		101	66.2	112			

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
- R RPD outside accepted recovery limits
- 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1512869

06-Jan-16

Client: Blagg Engineering

Project: GCU 310

Sample ID	MB-22878	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	22878	RunNo:	30983					
Prep Date:	12/18/2015	Analysis Date:	12/21/2015	SeqNo:	947906	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	1.0		1.000		103	80	120			

Sample ID	LCS-22878	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	22878	RunNo:	30983					
Prep Date:	12/18/2015	Analysis Date:	12/21/2015	SeqNo:	947907	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	103	80	120			
Toluene	1.1	0.050	1.000	0	106	80	120			
Ethylbenzene	1.1	0.050	1.000	0	107	80	120			
Xylenes, Total	3.3	0.10	3.000	0	109	80	120			
Surr: 4-Bromofluorobenzene	1.3		1.000		132	80	120			S

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
- R RPD outside accepted recovery limits
- 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

Sample Log-In Check List

Client Name: **BLAGG**

Work Order Number: **1512869**

RcptNo: **1**

Received by/date: JA 12/17/15

Logged By: **Joe Archuleta** **12/17/2015 8:00:00 AM** JA

Completed By: **Joe Archuleta** **12/17/2015 4:38:32 PM** JA

Reviewed By: [Signature] 12/14/15

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: eMail Phone Fax 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	2.8	Good	Yes			

