

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

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 214	Facility Type: Natural gas well

Surface Owner: Tribal	Mineral Owner: Tribal	API No. 3004511623
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LOCATION OF RELEASE

Unit Letter B	Section 16	Township 28N	Range 12W	Feet from the 910	North/South Line North	Feet from the 2,460	East/West Line West	County: San Juan
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Latitude 36.66648° Longitude -108.11657°

NATURE OF RELEASE


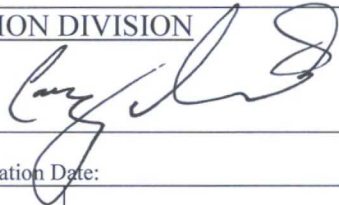
Type of Release: none	Volume of Release: unknown	Volume Recovered: N/A
Source of Release: below grade tank – 95 bbl	Date and Hour of Occurrence: none	Date and Hour of Discovery: none
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 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 results indicates a minor release had occurred, but remains below an action level for BTEX and TPH. Chlorides elevated from a depth of 5 feet below ground surface to 9 feet below ground surface. Imported material was used for backfill. Imported material was used for backfill. Field reports and laboratory results are attached.

Describe Area Affected and Cleanup Action Taken.* No action necessary. 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: 	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Steve Moskal	Approved by Environmental Specialist: 	
Title: Field Environmental Coordinator	Approval Date: <u>7/25/17</u>	Expiration Date:
E-mail Address: steven.moskal@bp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: April 4, 2017	Phone: 505-326-9497	

* Attach Additional Sheets If Necessary

#NCS 1720638873

OIL CONS. DIV DIST. 3

APR 04 2017

20

BEI1005E-6.SKF

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1702430

Date Reported: 2/13/2017

CLIENT: Blagg Engineering

Client Sample ID: 5PC-TB@7(95)

Project: GCU #214

Collection Date: 2/7/2017 8:35:00 AM

Lab ID: 1702430-001

Matrix: SOIL

Received Date: 2/9/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	830	30		mg/Kg	20	2/10/2017 7:47:18 PM	30190

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 ReportLab Order **1702665**

Date Reported: 2/16/2017

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Blagg Engineering**Client Sample ID:** 5PC-TB @ 9' (95)**Project:** GCU #214**Collection Date:** 2/7/2017 8:44:00 AM**Lab ID:** 1702665-001**Matrix:** SOIL**Received Date:** 2/15/2017 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	1100	30		mg/Kg	20	2/15/2017 6:59:34 PM	30243

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 2
	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	

[illegible]

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 notated on the analytical report.

[illegible]

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1702430

13-Feb-17

Client: Blagg Engineering

Project: GCU #214

Sample ID	MB-30190	SampType: mblk			TestCode: EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID: 30190			RunNo: 40678					
Prep Date:	2/10/2017	Analysis Date: 2/10/2017			SeqNo: 1274445		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-30190	SampType: Ics			TestCode: EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID: 30190			RunNo: 40678					
Prep Date:	2/10/2017	Analysis Date: 2/10/2017			SeqNo: 1274446		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.4	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
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: 1702430

RcptNo: 1

Received by/date:	RE	02/09/17
Logged By:	Andy Jansson	2/9/2017 8:00:00 AM
Completed By:	Andy Jansson	02/09/17
Reviewed By:	LL	2/9/17

Chain of Custody

- | | | | |
|--|---|-----------------------------|---|
| 1. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 2. Is Chain of Custody complete? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 3. How was the sample delivered? | Courier | | |

Log In

- | | | | |
|---|---|--|--|
| 4. Was an attempt made to cool the samples? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 5. Were all samples received at a temperature of >0° C to 6.0°C | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 6. Sample(s) in proper container(s)? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Sufficient sample volume for indicated test(s)? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Are samples (except VOA and ONG) properly preserved? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Was preservative added to bottles? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | NA <input type="checkbox"/> |
| 10. VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA Vials <input checked="" type="checkbox"/> |
| 11. Were any sample containers received broken? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| 12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 13. Are matrices correctly identified on Chain of Custody? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 14. Is it clear what analyses were requested? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 15. Were all holding times able to be met?
(If no, notify customer for authorization.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |

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	1.3	Good	Yes			

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1702665

16-Feb-17

Client: Blagg Engineering

Project: GCU #214

Sample ID	MB-30243	SampType:	MBLK		TestCode:	EPA Method 300.0: Anions				
Client ID:	PBS	Batch ID:	30243		RunNo:	40772				
Prep Date:	2/15/2017	Analysis Date:	2/15/2017		SeqNo:	1277609	Units:	mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-30243	SampType: LCS			TestCode: EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID: 30243			RunNo: 40772					
Prep Date:	2/15/2017	Analysis Date: 2/15/2017			SeqNo: 1277610		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.1	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 |



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: 1702665

RcptNo: 1

Received by/date: AT 02/15/17

Logged By: Anne Thorne 2/15/2017 7:15:00 AM

Anne Thorne

Completed By: Anne Thorne 2/15/2017 7:59:24 AM

Anne Thorne

Reviewed By: *[Signature]* 2/15/17

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 $>0^{\circ}\text{C}$ 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	1.9	Good	Yes			

District I
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Oil Conservation Division
1220 South St. Francis Dr.
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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 214	Facility Type: Natural gas well

Surface Owner: Tribal	Mineral Owner: Tribal	API No. 3004511623
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LOCATION OF RELEASE

Unit Letter B	Section 16	Township 28N	Range 12W	Feet from the 910	North/South Line North	Feet from the 2,460	East/West Line West	County: San Juan
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Latitude 36.66648° Longitude -108.11657°

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: none	Date and Hour of Discovery: none
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 results indicates a minor release had occurred, but remains below an action level for BTEX and TPH. Chlorides elevated from a depth of 5 feet below ground surface to 9 feet below ground surface. Imported material was used for backfill. Field reports and laboratory results are attached.

Describe Area Affected and Cleanup Action Taken.* No action necessary. 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: 	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: Steve Moskal	Approved by Environmental Specialist:		
Title: Field Environmental Coordinator	Approval Date:	Expiration Date:	
E-mail Address: steven.moskal@bp.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: April 4, 2017	Phone: 505-326-9497		

* Attach Additional Sheets If Necessary

CLIENT: BP	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	API #: 3004511623 TANK ID (if applicable): A
FIELD REPORT: (circle one): BGT CONFIRMATION / <u>RELEASE INVESTIGATION</u> / OTHER:		PAGE #: 1 of 1
SITE INFORMATION: SITE NAME: GCU # 214 QUAD/UNIT: B SEC: 16 TWP: 28N RNG: 12W PM: NM CNTY: SJ ST: NM 1/4 -1/4/FOOTAGE: 910'N / 2,460'W NW/NE LEASE TYPE: FEDERAL / STATE / FEE <u>INDIAN</u> LEASE #: I-14-IND-8477 PROD. FORMATION: DK CONTRACTOR: STRIKE MBF - B. SCHURMAN		DATE STARTED: 02/07/17 DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST(S): NJV
REFERENCE POINT: WELL HEAD (W.H.) GPS COORD.: 36.66707 X 108.11642 GL ELEV.: 5,425' 1) 95 BGT (DW/DB) GPS COORD.: 36.66648 X 108.11657 DISTANCE/BEARING FROM W.H.: 211', S12W 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: 5PC - TB @ 7' (95) SAMPLE DATE: 02/07/17 SAMPLE TIME: 0835 LAB ANALYSIS: 300.0 (CI)		NA
2) SAMPLE ID: 5PC - TB @ 9' (95) SAMPLE DATE: 02/07/17 SAMPLE TIME: 0844 LAB ANALYSIS: 300.0 (CI)		NA
3) SAMPLE ID: _____ SAMPLE DATE: _____ SAMPLE TIME: _____ LAB ANALYSIS: _____		
4) SAMPLE ID: _____ SAMPLE DATE: _____ SAMPLE TIME: _____ LAB ANALYSIS: _____		
SOIL DESCRIPTION: SOIL TYPE: <u>SAND</u> <u>SILTY SAND</u> SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____ SOIL COLOR: DARK YELLOWISH BROWN COHESION (ALL OTHERS): <u>NON COHESIVE</u> SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): <u>LOOSE</u> <u>FIRM</u> DENSE / VERY DENSE MOISTURE: DRY / <u>SLIGHTLY MOIST</u> MOIST / WET / SATURATED / SUPER SATURATED SAMPLE TYPE: GRAB / <u>COMPOSITE</u> # OF PTS. 5 DISCOLORATION/STAINING OBSERVED: YES <u>NO</u> EXPLANATION - _____ PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD HC ODOR DETECTED: YES <u>NO</u> EXPLANATION - _____ ANY AREAS DISPLAYING WETNESS: YES <u>NO</u> EXPLANATION - _____		
SITE OBSERVATIONS: LOST INTEGRITY OF EQUIPMENT: YES <u>NO</u> EXPLANATION - _____ APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: YES <u>NO</u> EXPLANATION: _____ EQUIPMENT SET OVER RECLAIMED AREA: YES / NO EXPLANATION - _____ OTHER: NMOCD OR BLM REPS. NOT PRESENT TO WITNESS GRAB SAMPLING.		
SOIL IMPACT DIMENSION ESTIMATION: <u>NA</u> ft. X <u>NA</u> ft. X <u>NA</u> ft. EXCAVATION ESTIMATION (Cubic Yards): <u>NA</u> DEPTH TO GROUNDWATER: <u><50'</u> NEAREST WATER SOURCE: <u>>1,000'</u> NEAREST SURFACE WATER: <u><200'</u> NMOCD TPH CLOSURE STD: 100 ppm		
SITE SKETCH <div style="display: flex; justify-content: space-between;"> <div> BGT Located : off <u>on</u> site TO W.H. </div> <div> PLOT PLAN circle: <u>attached</u> </div> </div> <div style="text-align: center; margin-top: 20px;"> </div> <div style="text-align: right; margin-top: 20px;"> X - S.P.D. </div>		
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.		MISCELL. NOTES WO: _____ REF. #: _____ VID: P - 724 PJ #: VDRINKWJA1 Permit date(s): 06/10/10 OCD Appr. date(s): 09/12/16 Tank ID: A OVM = Organic Vapor Meter ppm = parts per million BGT Sidewalls Visible: Y / <u>(N)</u> BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N Magnetic declination: 10° E
NOTES: GOOGLE EARTH IMAGERY DATE: 3/15/2015. ONSITE: 02/07/17		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1702430

Date Reported: 2/13/2017

CLIENT: Blagg Engineering

Client Sample ID: 5PC-TB@7'(95)

Project: GCU #214

Collection Date: 2/7/2017 8:35:00 AM

Lab ID: 1702430-001

Matrix: SOIL

Received Date: 2/9/2017 8:00:00 AM

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EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	830	30		mg/Kg	20	2/10/2017 7:47:18 PM	30190

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	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.

Analytical Report

Lab Order 1702665

Date Reported: 2/16/2017

CLIENT: Blagg Engineering

Client Sample ID: 5PC-TB @ 9' (95)

Project: GCU #214

Collection Date: 2/7/2017 8:44:00 AM

Lab ID: 1702665-001

Matrix: SOIL

Received Date: 2/15/2017 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	1100	30		mg/Kg	20	2/15/2017 6:59:34 PM	30243

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	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

Chain-of-Custody Record				Turn-Around Time: BY 02/13/2017			HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107													
Client: BLAGG ENGR. / BP AMERICA				<input type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush			Project Name: <div style="text-align: center; font-weight: bold;">GCU # 214</div> Project #: Project Manager: <div style="text-align: center; font-weight: bold;">NELSON VELEZ</div> Sampler: NELSON VELEZ On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sample Temperature: 13°C													
Mailing Address: P.O. BOX 87				Project Name: <div style="text-align: center; font-weight: bold;">GCU # 214</div> Project #: Project Manager: <div style="text-align: center; font-weight: bold;">NELSON VELEZ</div> Sampler: NELSON VELEZ On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sample Temperature: 13°C																
BLOOMFIELD, NM 87413																				
Phone #: (505) 632-1199																				
email or Fax#:																				
QA/QC Package:				Project Name: <div style="text-align: center; font-weight: bold;">GCU # 214</div> Project #: Project Manager: <div style="text-align: center; font-weight: bold;">NELSON VELEZ</div> Sampler: NELSON VELEZ On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sample Temperature: 13°C			Analysis Request													
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)																				
Accreditation:																				
<input type="checkbox"/> NELAP <input type="checkbox"/> Other _____																				
<input type="checkbox"/> EDD (Type) _____				Project Name: <div style="text-align: center; font-weight: bold;">GCU # 214</div> Project #: Project Manager: <div style="text-align: center; font-weight: bold;">NELSON VELEZ</div> Sampler: NELSON VELEZ On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sample Temperature: 13°C			Analysis Request													
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<input type="checkbox"/> EDD (Type) _____				Project Name: <div style="text-align: center; font-weight: bold;">GCU # 214</div> Project #: Project Manager: <div style="text-align: center; font-weight: bold;">NELSON VELEZ</div> Sampler: NELSON VELEZ On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sample Temperature: 13°C			Analysis Request													
<input type="checkbox"/> EDD (Type) _____																				
<input type="checkbox"/> EDD (Type) _____																				
<input type="checkbox"/> EDD (Type) _____																				
<input type="checkbox"/> EDD (Type) _____				Project Name: 																

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 notated on the analytical report.

Chain-of-Custody Record		Turn-Around Time:
Client: BLAGG ENGR. / BP AMERICA	<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush _____	
Mailing Address: P.O. BOX 87	Project Name:	
BLOOMFIELD, NM 87413	GCU # 214	
Phone #: (505) 632-1199	Project #:	
email or Fax#:	Project Manager:	
QA/QC Package:	NELSON VELEZ	
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)	Sampler: NELSON VELEZ	
Accreditation:	On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> NELAP <input type="checkbox"/> Other _____	Sample Temperature: 1.9	
<input type="checkbox"/> EDD (Type) _____		

☒ Standard ☐ Rush

Project Name:

Project #:

Project Manager:

NELSON VELEZ

Sampler: NELSON VELEZ

On Ice: ☒ Yes ☐ No

Sample Temperature:	9
---------------------	---

Date: 2/14/17	Time: 1117	Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date 2/14/17	Time 1117	Remarks: <u>BILL DIRECTLY TO BP USING THE CONTACT WITH CORRESPONDING VID</u> <u>& REFERENCE # WHEN APPLICABLE;</u> CONTACT: STEVE MOSKAL VID: VDRINKWJA1 Reference # <u>P - 724</u>
Date: 2/14/17	Time: 1815	Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date 02/15/17	Time 0715	



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

[illegible]

Remarks:	BILL DIRECTLY TO BP USING THE CONTACT WITH CORRESPONDING VI & REFERENCE # WHEN APPLICABLE:
----------	---

CONTACT: STEVE MOSKAL

VID: VDRINKWJA1

Reference # P - 724

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 notated on the analytical report.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1702430

13-Feb-17

Client: Blagg Engineering

Project: GCU #214

Sample ID	MB-30190	SampType:	mbk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	30190	RunNo:	40678					
Prep Date:	2/10/2017	Analysis Date:	2/10/2017	SeqNo:	1274445	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-30190	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	30190	RunNo:	40678					
Prep Date:	2/10/2017	Analysis Date:	2/10/2017	SeqNo:	1274446	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.4	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
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: **1702430**

RcptNo: **1**

Received by/date:	RE	02/09/17
Logged By:	Andy Jansson	2/9/2017 8:00:00 AM
Completed By:	Andy Jansson	02/09/17
Reviewed By:	KL	2/9/17

Chain of Custody

- | | | | |
|--|---|-----------------------------|---|
| 1. Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| 2. Is Chain of Custody complete? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| 3. How was the sample delivered? | <u>Courier</u> | | |

Log In

- | | | | |
|--|---|--|--|
| 4. Was an attempt made to cool the samples? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| 6. Sample(s) in proper container(s)? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 7. Sufficient sample volume for indicated test(s)? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 8. Are samples (except VOA and ONG) properly preserved? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 9. Was preservative added to bottles? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | NA <input type="checkbox"/> |
| 10. VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA Vials <input checked="" type="checkbox"/> |
| 11. Were any sample containers received broken? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| 12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 13. Are matrices correctly identified on Chain of Custody? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 14. Is it clear what analyses were requested? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| 15. Were all holding times able to be met?
(If no, notify customer for authorization.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Yes			

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1702665

16-Feb-17

Client: Blagg Engineering

Project: GCU #214

Sample ID	MB-30243	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	30243	RunNo:	40772					
Prep Date:	2/15/2017	Analysis Date:	2/15/2017	SeqNo:	1277609	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-30243	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	30243	RunNo:	40772					
Prep Date:	2/15/2017	Analysis Date:	2/15/2017	SeqNo:	1277610	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.1	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
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
W Sample container temperature is out of limit as specified



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Sample Log-In Check List

Client Name: BLAGG

Work Order Number: 1702665

RcptNo: 1

Received by/date: AT 02/15/17

Logged By: Anne Thorne 2/15/2017 7:15:00 AM

Completed By: Anne Thorne 2/15/2017 7:59:24 AM

Reviewed By: AT 2/15/17

Anne Thorne

Anne Thorne

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	1.9	Good	Yes			