

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

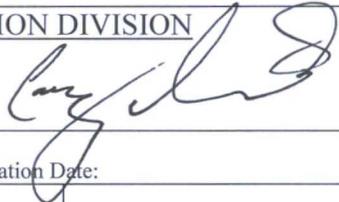
Name of Company: BP	Contact: Steve Moskal
Address: 200 Energy Court, Farmington, NM 87401	Telephone No.: 505-326-9497
Facility Name: Gallegos Canyon Unit 214	Facility Type: Natural gas well
Surface Owner: Tribal	Mineral Owner: Tribal
API No. 3004511623	

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:	
Date: April 4, 2017 Phone: 505-326-9497	Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

#NCS 1720638873

OIL CONS. DIV DIST. 3

APR 04 2017

20

CLIENT: BP	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	API #: 3004511623 TANK ID (if applicable): A
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FIELD REPORT: (circle one): BGT CONFIRMATION / <u>RELEASE INVESTIGATION</u> / OTHER:	PAGE #: 1 of 1
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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
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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	PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC
COHESION (ALL OTHERS): <u>NON COHESIVE</u> SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE	DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD
CONSISTENCY (NON COHESIVE SOILS): <u>LOOSE</u> <u>FIRM</u> DENSE / VERY DENSE	HC ODOR DETECTED: YES / <u>NO</u> EXPLANATION - _____
MOISTURE: DRY / <u>SLIGHTLY MOIST</u> MOIST / WET / SATURATED / SUPER SATURATED	ANY AREAS DISPLAYING WETNESS: YES / <u>NO</u> EXPLANATION - _____
SAMPLE TYPE: GRAB / <u>COMPOSITE</u> # OF PTS. 5	
DISCOLORATION/STAINING OBSERVED: 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 / <u>NO</u> EXPLANATION - _____	
OTHER: NMOCED 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>	NMOCED TPH CLOSURE STD: 100 ppm

SITE SKETCH BGT Located : off / <u>on</u> site PLOT PLAN circle: <u>attached</u> 	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>OVM CALIB. READ. = <u>NA</u> ppm</td> <td>RF = 0.52</td> </tr> <tr> <td>OVM CALIB. GAS = <u>NA</u> ppm</td> <td></td> </tr> <tr> <td>TIME: <u>NA</u> am/pm</td> <td>DATE: <u>NA</u></td> </tr> </table> MISCELL. NOTES WO: _____ REF. #: _____ VID: P - 724 PJ #: VDRINKWJA1 Permit date(s): 06/10/10 OCD Appr. date(s): 09/12/16 <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">Tank ID</td> <td>OVM = Organic Vapor Meter ppm = parts per million</td> </tr> <tr> <td>A</td> <td>BGT Sidewalls Visible: Y / <u>(N)</u></td> </tr> <tr> <td></td> <td>BGT Sidewalls Visible: Y / N</td> </tr> <tr> <td></td> <td>BGT Sidewalls Visible: Y / N</td> </tr> </table> Magnetic declination: 10° E	OVM CALIB. READ. = <u>NA</u> ppm	RF = 0.52	OVM CALIB. GAS = <u>NA</u> ppm		TIME: <u>NA</u> am/pm	DATE: <u>NA</u>	Tank ID	OVM = Organic Vapor Meter ppm = parts per million	A	BGT Sidewalls Visible: Y / <u>(N)</u>		BGT Sidewalls Visible: Y / N		BGT Sidewalls Visible: Y / N
OVM CALIB. READ. = <u>NA</u> ppm	RF = 0.52														
OVM CALIB. GAS = <u>NA</u> ppm															
TIME: <u>NA</u> am/pm	DATE: <u>NA</u>														
Tank ID	OVM = Organic Vapor Meter ppm = parts per million														
A	BGT Sidewalls Visible: Y / <u>(N)</u>														
	BGT Sidewalls Visible: Y / N														
	BGT Sidewalls Visible: Y / N														

NOTES: GOOGLE EARTH IMAGERY DATE: 3/15/2015.	ONSITE: 02/07/17
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Hall Environmental Analysis Laboratory, Inc.

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering
 Project: GCU #214
 Lab ID: 1702665-001

Matrix: SOIL

Client Sample ID: 5PC-TB @ 9' (95)
 Collection Date: 2/7/2017 8:44:00 AM
 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
	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#: 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. | 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: **1702430**

RcptNo: **1**

Received by/date: RE 02/09/17

Logged By: **Andy Jansson** 2/9/2017 8:00:00 AM *andy*

Completed By: Andy Jansson 02/09/17

Reviewed By: AL 2/9/17

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° 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 °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



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° C to 6.0°C Yes No NA
- 6. Sample(s) in proper container(s)? Yes No
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- 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:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

17. Additional remarks:

18. Cooler Information

Cooler No.	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.9	Good	Yes			

District I
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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	

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 / RELEASE INVESTIGATION / OTHER: _____

PAGE #: **1** of **1**

SITE INFORMATION:	SITE NAME: GCU # 214	DATE STARTED: 02/07/17
QUAD/UNIT: B SEC: 16 TWP: 28N RING: 12W PM: NM CNTY: SJ ST: NM		DATE FINISHED: _____
1/4 -1/4 FOOTAGE: 910'N / 2,460'W NW/NE	LEASE TYPE: FEDERAL / STATE / FEE <u>INDIAN</u>	ENVIRONMENTAL SPECIALIST(S): NJV
LEASE #: I-14-IND-8477	PROD. FORMATION: DK	CONTRACTOR: STRIKE MBF - B. SCHURMAN

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	PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC	
COHESION (ALL OTHERS): <u>NON COHESIVE</u> SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE	DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD	
CONSISTENCY (NON COHESIVE SOILS): <u>LOOSE</u> <u>FIRM</u> DENSE / VERY DENSE	HC ODOR DETECTED: YES <u>NO</u> EXPLANATION - _____	
MOISTURE: DRY / <u>SLIGHTLY MOIST</u> MOIST / WET / SATURATED / SUPER SATURATED	ANY AREAS DISPLAYING WETNESS: YES <u>NO</u> EXPLANATION - _____	
SAMPLE TYPE: GRAB / <u>COMPOSITE</u> # OF PTS. 5	DISCOLORATION/STAINING OBSERVED: 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: NMOCED OR BLM REPS. NOT PRESENT TO WITNESS GRAB SAMPLING.		

SOIL IMPACT DIMENSION ESTIMATION: NA ft. X NA ft. X NA ft. EXCAVATION ESTIMATION (Cubic Yards): NA

DEPTH TO GROUNDWATER: <50' NEAREST WATER SOURCE: >1,000' NEAREST SURFACE WATER: <200' NMOCED TPH CLOSURE STD: **100** ppm

<p>SITE SKETCH</p> <p>BGT Located : off <u>on</u> site PLOT PLAN circle: <u>attached</u></p> <p style="text-align: center;">TO W.H. ↑</p> <p style="text-align: center;">← SEPARATOR</p> <p style="text-align: center;">TO METER RUN ↑</p> <p style="text-align: center;">TO GALLEGOS WASH ↓</p> <p style="text-align: center;">X - S.P.D.</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>OVM CALIB. READ. = <u>NA</u> ppm</td> <td>RF = 0.52</td> </tr> <tr> <td>OVM CALIB. GAS = <u>NA</u> ppm</td> <td></td> </tr> <tr> <td>TIME: <u>NA</u> am/pm</td> <td>DATE: <u>NA</u></td> </tr> </table> <p style="text-align: center;">MISCELL. NOTES</p> <p>WO: _____</p> <p>REF. #: _____</p> <p>VID: P - 724</p> <p>PJ #: VDRINKWJA1</p> <p>Permit date(s): 06/10/10</p> <p>OCD Appr. date(s): 09/12/16</p> <p>Tank ID: A OVM = Organic Vapor Meter ppm = parts per million</p> <p>BGT Sidewalls Visible: Y / <u>(N)</u></p> <p>BGT Sidewalls Visible: Y / N</p> <p>BGT Sidewalls Visible: Y / N</p> <p>Magnetic declination: 10° E</p>	OVM CALIB. READ. = <u>NA</u> ppm	RF = 0.52	OVM CALIB. GAS = <u>NA</u> ppm		TIME: <u>NA</u> am/pm	DATE: <u>NA</u>
OVM CALIB. READ. = <u>NA</u> ppm	RF = 0.52						
OVM CALIB. GAS = <u>NA</u> ppm							
TIME: <u>NA</u> am/pm	DATE: <u>NA</u>						

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.

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

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 Report

Lab 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
	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#: 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:	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 *andy*

Completed By: **Andy Jansson** 02/09/17

Reviewed By: *RL* 2/9/17

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° 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	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

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° 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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.9	Good	Yes			