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: Jeff Peace
Address: 200 Energy Court, Farmington, NM 87401	Telephone No.: 505-326-9479
Facility Name: Riddle F LS 7	Facility Type: Natural gas well

Surface Owner: BLM	Mineral Owner: Federal	API No. 3004520447

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County: San Juan
P	29	28N	8W	1180	South	1040	East	

Latitude 36.62829 **Longitude** 107.69882

NATURE OF RELEASE

Type of Release: condensate/oil	Volume of Release: unknown	Volume Recovered: none
Source of Release: possibly old dehy pit-hydrocarbon impacts found during BGT removal	Date and Hour of Occurrence: unknown	Date and Hour of Discovery: June 12, 2013
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	**Date and Hour**	RCVD NOV 18 '13 OIL CONS. DIV. DIST. 3
Was a Watercourse Reached? ☐ Yes ☒ No	**If YES, Volume Impacting the Watercourse.**	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* During BGT removal operations impacted soil was discovered. Sandstone bedrock was found 7' to 8' below the surface.

Describe Area Affected and Cleanup Action Taken.*Impacted soil was excavated and removed to the sandstone bedrock surface. Approximately 345 cubic yards of impacted soil was taken to IEI landfarm for treatment. Exposed sandstone bedrock surface area was treated with hydrogen peroxide, then backfilled with clean fill material.

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: Jeff Peace	OIL CONSERVATION DIVISION
Printed Name: Jeff Peace	Approved by Environmental Specialist: Jonathan D. Kelly
Title: Field Environmental Advisor	Approval Date: 8/27/2014 Expiration Date:
E-mail Address: peace.jeffrey@bp.com	Conditions of Approval: Attached ☐
Date: November 15, 2013 Phone: 505-326-9479	

* Attach Additional Sheets If Necessary

nJK1423954821

CLIENT: BP

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

API #: 30-045-20447
TANK ID (if applicble): A

FIELD REPORT:

(circle one): BGT CONFIRMATION / RELEASE INVESTIGATION (OTHER: REMEDIATION SAMPLING)

PAGE #: 1 of 1

SITE INFORMATION:

SITE NAME: RIDDLE F LS 7

DATE STARTED: 6/12/2013
DATE FINISHED: "

QUAD/UNIT: P SEC: 29 TWP: 28N RNG: 8W PM: NM CNTY: SJ ST: NM

1/4 -1/4/FOOTAGE: LEASE TYPE: FEDERAL / STATE / FEE / INDIAN

LEASE #: SF 080112 PROD. FORMATION: PC CONTRACTOR: Paul x Son

ENVIRONMENTAL SPECIALIST(S): JCB

REFERENCE POINT:

WELL HEAD (W.H.) GPS COORD.: 36.62836 x 107.69084 GL ELEV.: 5922'

1) _____ GPS COORD.: _____ DISTANCE/BEARING FROM W.H.: _____
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: BASE 5-pt @ 9'	SAMPLE DATE: 6/12/2013	SAMPLE TIME: 1425	LAB ANALYSIS: TPH/BTEX/Cl		—
2) SAMPLE ID: SIDEWALL 6-pt @ 6'-9'	SAMPLE DATE: "	SAMPLE TIME: 1427	LAB ANALYSIS: "		—
3) SAMPLE ID: RESIDUAL @ wellhead	SAMPLE DATE: "	SAMPLE TIME: 1433	LAB ANALYSIS: "		—
4) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:		

SOIL DESCRIPTION:

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / (OTHER) SANDSTONE

SOIL COLOR:

COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / (HIGHLY COHESIVE)

CONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / (VERY DENSE)

PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED

HC ODOR DETECTED: (YES) NO EXPLANATION - Strong

SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. _____

DISCOLORATION/STAINING OBSERVED: (YES) NO EXPLANATION - Grey At wellhead

ANY AREAS DISPLAYING WETNESS: YES / (NO) EXPLANATION - _____

APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED (YES) / NO EXPLANATION: _____

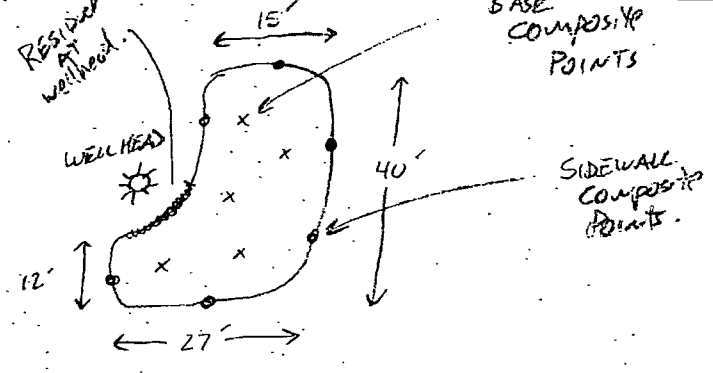
ADDITIONAL COMMENTS: _____

SOIL IMPACT DIMENSION ESTIMATION: 40 ft. X 27 ft. X 9 ft. EXCAVATION ESTIMATION (Cubic Yards): 300 ±

DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: <1000 NMOCD TPH CLOSURE STD: 1000 ppm

SITE SKETCH

PLOT PLAN circle: attached



OVM CALIB. READ. = — ppm RF = 0.52
OVM CALIB. GAS = — ppm
TIME: — am/pm DATE: _____

MISCELL. NOTES

WO:
PO #:
PK:
PJ #:
Permit date(s):
OCD Appr. date(s):

Tank ID	OVM = Organic Vapor Meter ppm = parts per million
	BGT Sidewalls Visible: Y / N
	BGT Sidewalls Visible: Y / N
	BGT Sidewalls Visible: Y / N

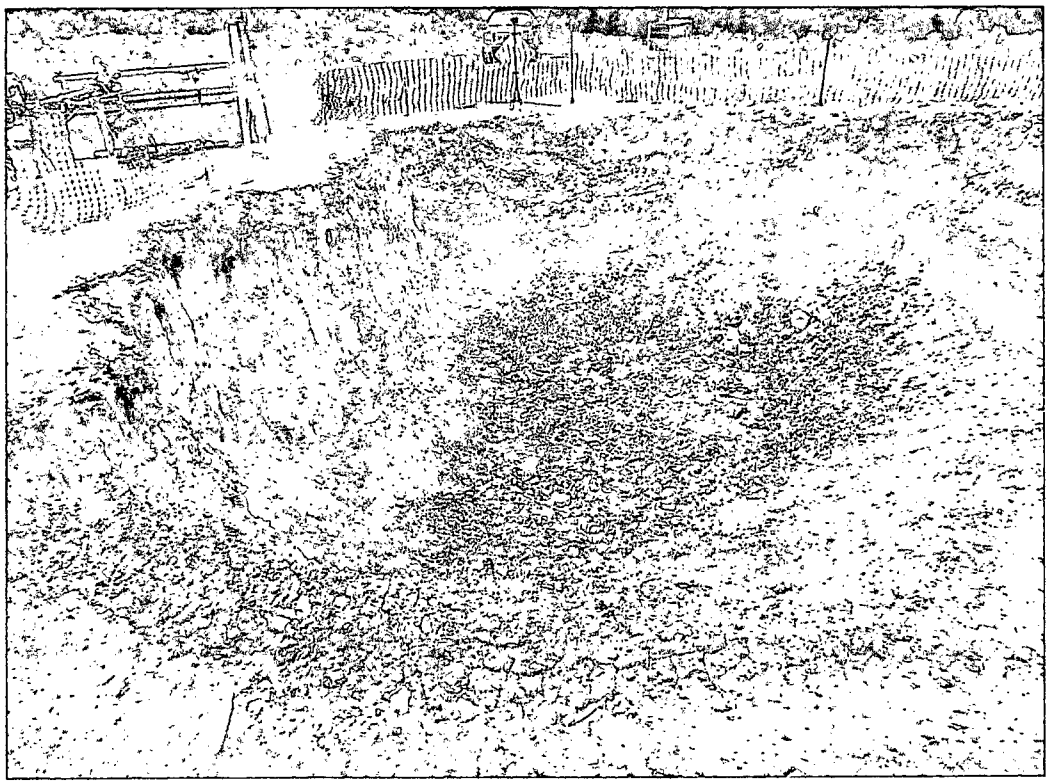
Magnetic declination: 10° E

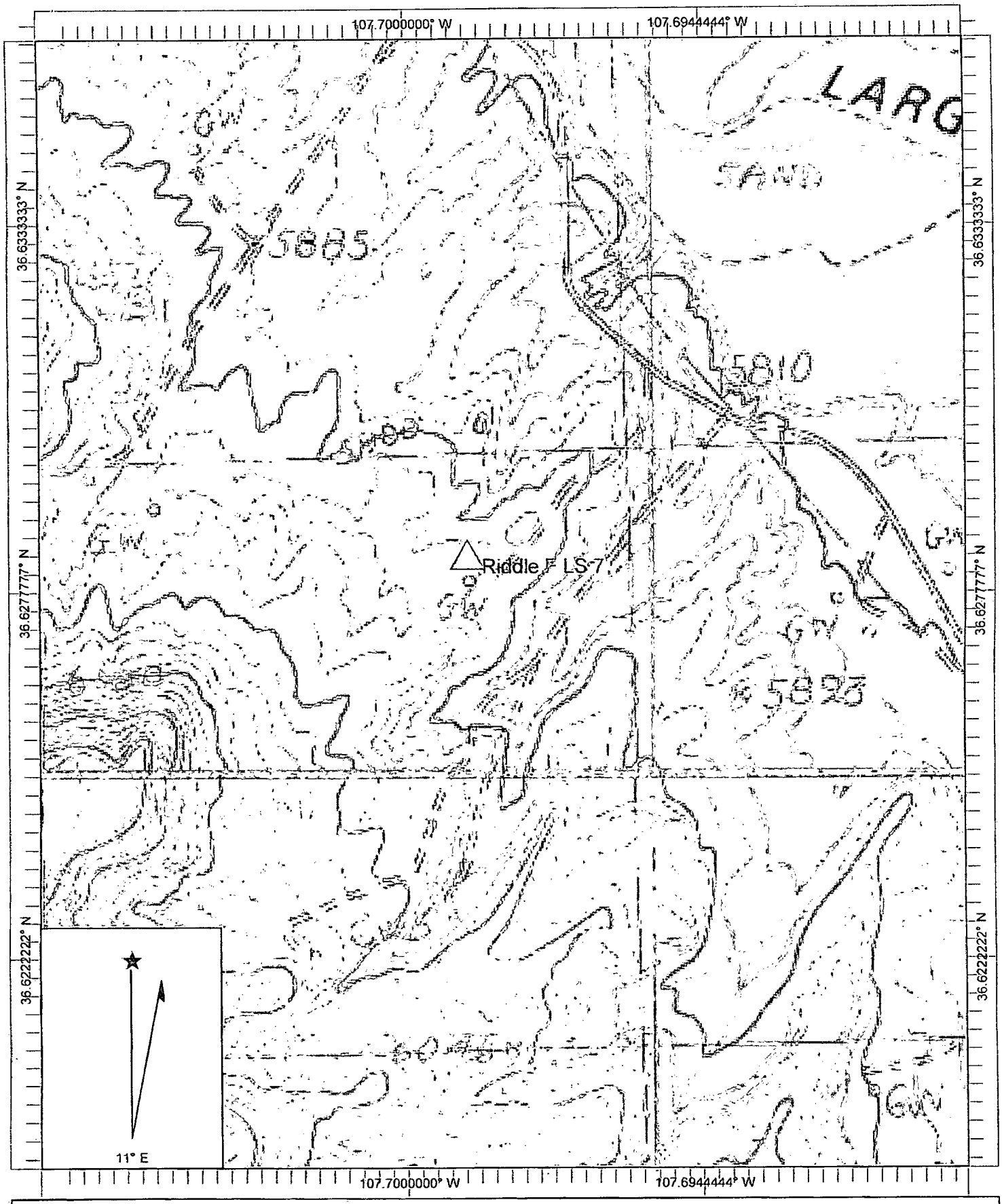
NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW GRADE; B = BELOW; T.H. = TEST HOLE; ~ = APPROX.; W.H. = WELL HEAD; T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELOW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA - NOT APPLICABLE OR NOT AVAILABLE; SW - SINGLE WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BOTTOM

TRAVEL NOTES: CALLOUT: _____ ONSITE: 6/12/2013

revised: 08/01/12

BEI1005E-5.SKF





Name: CUTTER CANYON
Date: 6/14/2013
Scale: 1 inch equals 666 feet

Location: 036.6275992° N 107.6982063° W
Caption: BP - Riddle F LS 7

CLIENT: BP

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

API #: 30-045-20447
TANK ID (if applicble): A

FIELD REPORT:

(circle one): BGT CONFIRMATION / RELEASE INVESTIGATION / OTHER: 2ND REMEDIATION SAMPLING

PAGE #: 1 of 1

SITE INFORMATION:

SITE NAME: RIDDLE F LS 7

DATE STARTED: 7-23-2013
DATE FINISHED:

QUAD/UNIT: P SEC: 29 TWP: 28N RNG: 8W PM: NM CNTY: SJ ST: NM

1/4 -1/4/FOOTAGE: LEASE TYPE: (FEDERAL) STATE / FEE / INDIAN

LEASE #: SF 080112 PROD. FORMATION: PC CONTRACTOR: PAUL x SON

ENVIRONMENTAL SPECIALIST(S): JCB

REFERENCE POINT:

WELL HEAD (W.H.) GPS COORD.: 36.62836 x 107.69824 GL ELEV.: 5922

1) _____ GPS COORD.: _____ DISTANCE/BEARING FROM W.H.: _____
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: WELLHEAD WALL 5'-7'	SAMPLE DATE: 7/23/13	SAMPLE TIME: 1440	LAB ANALYSIS: TPH/BTEX		—
2) SAMPLE ID: BASE 5-PT @ 9'	SAMPLE DATE: "	SAMPLE TIME: 1450	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) SANDSTONE

SOIL COLOR:

COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / (HIGHLY COHESIVE)

PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

CONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / (VERY DENSE)

DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED

HC ODOR DETECTED: YES / (NO) EXPLANATION -

SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS.:

DISCOLORATION/STAINING OBSERVED: (YES) NO EXPLANATION - wellhead wall only

ANY AREAS DISPLAYING WETNESS: YES / (NO) EXPLANATION -

APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: (YES) NO EXPLANATION :

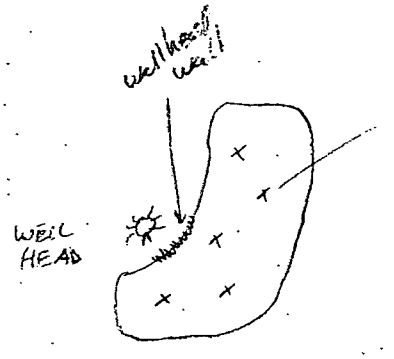
ADDITIONAL COMMENTS: APPLY 3 GALLONS H_2O_2 TO BASE

SOIL IMPACT DIMENSION ESTIMATION: 40 ft. X 27 ft. X 9 ft. EXCAVATION ESTIMATION (Cubic Yards): 300±

DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: <1000 NMOCD TPH CLOSURE STD: 100 ppm

SITE SKETCH

PLOT PLAN circle: attached



OVM CALIB. READ. = — ppm RF = 0.52
OVM CALIB. GAS = — ppm
TIME: — am/pm DATE:

MISCELL. NOTES

WO:
PO #:
PK:
PJ #:
Permit date(s):
OCD Appr. date(s):

Tank ID	OVM = Organic Vapor Meter ppm = parts per million
	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.

TRAVEL NOTES: CALLOUT: _____ ONSITE: 7/23/2013

revised: 08/01/12

BEI1005E-5.SKF

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

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

June 18, 2013

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

RE: Riddle F LS 7 OrderNo.: 1306530

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 3 sample(s) on 6/13/2013 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.

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1306530**
Date Reported: **6/18/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering
Project: Riddle F LS 7
Lab ID: 1306530-001

Client Sample ID: Base 5-Pt @ 9'
Collection Date: 6/12/2013 2:25:00 PM
Matrix: MEOH (SOIL) **Received Date:** 6/13/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **GSA**	
Diesel Range Organics (DRO)	2200	100		mg/Kg	10	6/13/2013 3:13:44 PM	7884
Surr: DNOP	0	63-147	S	%REC	10	6/13/2013 3:13:44 PM	7884
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	1800	50		mg/Kg	10	6/13/2013 11:54:05 AM	R11290
Surr: BFB	1240	80-120	S	%REC	10	6/13/2013 11:54:05 AM	R11290
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	0.31	0.25		mg/Kg	10	6/13/2013 11:54:05 AM	R11290
Toluene	4.4	0.50		mg/Kg	10	6/13/2013 11:54:05 AM	R11290
Ethylbenzene	ND	0.50		mg/Kg	10	6/13/2013 11:54:05 AM	R11290
Xylenes, Total	48	1.0		mg/Kg	10	6/13/2013 11:54:05 AM	R11290
Surr: 4-Bromofluorobenzene	168	80-120	S	%REC	10	6/13/2013 11:54:05 AM	R11290
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	ND	30		mg/Kg	20	6/14/2013 3:13:00 PM	7892

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
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Analytical Report
Lab Order **1306530**
Date Reported: **6/18/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering
Project: Riddle F LS 7
Lab ID: 1306530-002

Client Sample ID: Sidewall 6-Pt @ 6'-8'
Collection Date: 6/12/2013 2:27:00 PM
Matrix: MEOH (SOIL) **Received Date:** 6/13/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **GSA**	
Diesel Range Organics (DRO)	550	10		mg/Kg	1	6/13/2013 2:15:18 PM	7884
Surr: DNOP	160	63-147	S	%REC	1	6/13/2013 2:15:18 PM	7884
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	150	25		mg/Kg	5	6/13/2013 12:22:40 PM	R11290
Surr: BFB	429	80-120	S	%REC	5	6/13/2013 12:22:40 PM	R11290
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.12		mg/Kg	5	6/13/2013 12:22:40 PM	R11290
Toluene	ND	0.25		mg/Kg	5	6/13/2013 12:22:40 PM	R11290
Ethylbenzene	ND	0.25		mg/Kg	5	6/13/2013 12:22:40 PM	R11290
Xylenes, Total	ND	0.50		mg/Kg	5	6/13/2013 12:22:40 PM	R11290
Surr: 4-Bromofluorobenzene	114	80-120		%REC	5	6/13/2013 12:22:40 PM	R11290
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	65	30		mg/Kg	20	6/14/2013 3:25:25 PM	7892

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
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Analytical Report
Lab Order **1306530**
Date Reported: **6/18/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering
Project: Riddle F LS 7
Lab ID: 1306530-003
Matrix: MEOH (SOIL)
Client Sample ID: Residual @ Wellhead @ 5'-7'
Collection Date: 6/12/2013 2:33:00 PM
Received Date: 6/13/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **GSA**	
Diesel Range Organics (DRO)	3300	100		mg/Kg	10	6/13/2013 3:41:34 PM	7884
Surr: DNOP	0	63-147	S	%REC	10	6/13/2013 3:41:34 PM	7884
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	4900	770		mg/Kg	200	6/13/2013 2:17:14 PM	R11290
Surr: BFB	217	80-120	S	%REC	200	6/13/2013 2:17:14 PM	R11290
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	3.5	1.0		mg/Kg	20	6/13/2013 12:51:17 PM	R11290
Toluene	52	1.0		mg/Kg	20	6/13/2013 12:51:17 PM	R11290
Ethylbenzene	26	1.0		mg/Kg	20	6/13/2013 12:51:17 PM	R11290
Xylenes, Total	250	20		mg/Kg	200	6/13/2013 2:17:14 PM	R11290
Surr: 4-Bromofluorobenzene	110	80-120		%REC	200	6/13/2013 2:17:14 PM	R11290
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	ND	30		mg/Kg	20	6/14/2013 3:37:50 PM	7892

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
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1306530

18-Jun-13

Client: Blagg Engineering

Project: Riddle F LS 7

Sample ID	MB-7892	SampType:	MBLK		TestCode:	EPA Method 300.0: Anions				
Client ID:	PBS	Batch ID:	7892		RunNo:	11336				
Prep Date:	6/13/2013	Analysis Date:	6/14/2013		SeqNo:	320267	Units:	mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-7892	SampType:	LCS		TestCode:	EPA Method 300.0: Anions				
Client ID:	LCSS	Batch ID:	7892		RunNo:	11336				
Prep Date:	6/13/2013	Analysis Date:	6/14/2013		SeqNo:	320268	Units:	mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.5	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- 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
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

WO#: **1306530**

Hall Environmental Analysis Laboratory, Inc.

18-Jun-13

Client: Blagg Engineering
Project: Riddle F LS 7

Sample ID **MB-7884**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **7884**	RunNo: **11274**
Prep Date: **6/12/2013**	Analysis Date: **6/13/2013**	SeqNo: **319035** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	11		10.00		106	63	147			

Sample ID **LCS-7884**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **7884**	RunNo: **11274**
Prep Date: **6/12/2013**	Analysis Date: **6/13/2013**	SeqNo: **319036** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.6	77.1	128			
Surr: DNOP	5.4		5.000		108	63	147			

Sample ID **MB-7941**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **7941**	RunNo: **11331**
Prep Date: **6/17/2013**	Analysis Date: **6/17/2013**	SeqNo: **320251** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.0		10.00		89.7	63	147			

Sample ID **LCS-7941**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **7941**	RunNo: **11331**
Prep Date: **6/17/2013**	Analysis Date: **6/17/2013**	SeqNo: **320252** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.3		5.000		85.5	63	147			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- 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
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306530**

18-Jun-13

Client: Blagg Engineering
Project: Riddle F LS 7

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **R11290**	RunNo: **11290**
Prep Date:	Analysis Date: **6/13/2013**	SeqNo: **319392** 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	930		1000		92.9	80	120			

Sample ID **2.5UG GRO LCSB**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **R11290**	RunNo: **11290**
Prep Date:	Analysis Date: **6/13/2013**	SeqNo: **319393** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	5.0	25.00	0	122	62.6	136			
Surr: BFB	1200		1000		117	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1306530**

18-Jun-13

Client: Blagg Engineering

Project: Riddle F LS 7

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **R11290**	RunNo: **11290**
Prep Date:	Analysis Date: **6/13/2013**	SeqNo: **319458** 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	0.97		1.000		97.1	80	120			

Sample ID **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **R11290**	RunNo: **11290**
Prep Date:	Analysis Date: **6/13/2013**	SeqNo: **319459** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	110	80	120			
Toluene	1.1	0.050	1.000	0	110	80	120			
Ethylbenzene	1.1	0.050	1.000	0	109	80	120			
Xylenes, Total	3.3	0.10	3.000	0	109	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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: 1306530 RcptNo: 1

Received by/date: LM 06/13/13

Logged By: Ashley Gallegos 6/13/2013 10:00:00 AM

Completed By: Ashley Gallegos 6/13/2013 10:14:19 AM

Reviewed By: 06/13/13

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	1.8	Good	Yes			

Chain-of-Custody Record

Client: BLAGG ENGINEERING INC.
BP AMERICA
Mailing Address: P.O. BOX 87
BLOOMFIELD NM 87413
Phone #: 505-632-1199
email or Fax#:
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other _____
☐ EDD (Type) _____

Turn-Around Time: ASAP SAME DAY
☐ Standard ☒ Rush _____
Project Name: RIDDLE F LS 7
Project #:
Project Manager: J. BLAGG
Sampler: J. BLAGG
On Ice: ☐ Yes ☐ No
Sample Temperature: 1.8

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1306530	BTEX + MTBE + TMBs (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	CHLORIDE	Air Bubbles (Y or N)
6/12/13	1425	SOIL	BASE 5-pt @ 9'	4 oz x1	COOL	-001	X		X									X	
"	1427	"	SIDEWALL 6-pt @ 6'-8'	"	"	-002	X		X									X	
"	1433	"	RESIDUAL @ wellhead @ 5'-7'	"	"	-003	X		X									X	

Remarks: GRO + DRO ON 8015B
BILL BLAGG
BP CONTACT: JEFF PEACE

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/12/2013	1604	J. Blagg	Christine Walker	6/12/2013	1604
6/12/13	1750	Christine Walker		06/13/13	1000

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.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

August 01, 2013

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

RE: RIDDLE F LS 7 OrderNo.: 1307C47

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 2 sample(s) on 7/26/2013 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,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1307C47**
Date Reported: **8/1/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering
Project: RIDDLE F LS 7
Lab ID: 1307C47-001 **Matrix:** SOIL

Client Sample ID: Wellhead Wall 5'-7'
Collection Date: 7/23/2013 2:40:00 PM
Received Date: 7/26/2013 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	970	10		mg/Kg	1	7/31/2013 10:15:08 PM	8598
Surr: DNOP	89.5	63-147		%REC	1	7/31/2013 10:15:08 PM	8598
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	120	24		mg/Kg	5	7/30/2013 7:24:10 PM	8606
Surr: BFB	300	80-120	S	%REC	5	7/30/2013 7:24:10 PM	8606
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.24		mg/Kg	5	7/31/2013 3:19:29 PM	8606
Toluene	ND	0.24		mg/Kg	5	7/31/2013 3:19:29 PM	8606
Ethylbenzene	0.43	0.24		mg/Kg	5	7/31/2013 3:19:29 PM	8606
Xylenes, Total	1.4	0.48		mg/Kg	5	7/31/2013 3:19:29 PM	8606
Surr: 4-Bromofluorobenzene	110	80-120		%REC	5	7/31/2013 3:19:29 PM	8606

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
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

Analytical Report
Lab Order **1307C47**
Date Reported: **8/1/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering
Project: RIDDLE F LS 7
Lab ID: 1307C47-002
Matrix: SOIL

Client Sample ID: Base 5-pt @ 9'
Collection Date: 7/23/2013 2:50:00 PM
Received Date: 7/26/2013 10:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	67	10		mg/Kg	1	8/1/2013 12:03:15 AM	8598
Surr: DNOP	79.0	63-147		%REC	1	8/1/2013 12:03:15 AM	8598
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	30	9.6		mg/Kg	2	7/31/2013 3:49:48 PM	8606
Surr: BFB	168	80-120	S	%REC	2	7/31/2013 3:49:48 PM	8606
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.096		mg/Kg	2	7/31/2013 3:49:48 PM	8606
Toluene	ND	0.096		mg/Kg	2	7/31/2013 3:49:48 PM	8606
Ethylbenzene	ND	0.096		mg/Kg	2	7/31/2013 3:49:48 PM	8606
Xylenes, Total	0.77	0.19		mg/Kg	2	7/31/2013 3:49:48 PM	8606
Surr: 4-Bromofluorobenzene	105	80-120		%REC	2	7/31/2013 3:49:48 PM	8606

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
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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2 for VOA and TOC only.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1307C47**

01-Aug-13

Client: Blagg Engineering

Project: RIDDLE F LS 7

Sample ID **MB-8598**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **8598**	RunNo: **12312**
Prep Date: **7/29/2013**	Analysis Date: **7/31/2013**	SeqNo: **350434** 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	7.4		10.00		73.7	63	147			

Sample ID **LCS-8598**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **8598**	RunNo: **12312**
Prep Date: **7/29/2013**	Analysis Date: **7/31/2013**	SeqNo: **350435** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.6	77.1	128			
Surr: DNOP	3.5		5.000		70.2	63	147			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- 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
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1307C47**

01-Aug-13

Client: Blagg Engineering
Project: RIDDLE F LS 7

Sample ID **MB-8606**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **8606**	RunNo: **12278**
Prep Date: **7/29/2013**	Analysis Date: **7/30/2013**	SeqNo: **349673** 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	980		1000		98.4	80	120			

Sample ID **LCS-8606**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **8606**	RunNo: **12278**
Prep Date: **7/29/2013**	Analysis Date: **7/30/2013**	SeqNo: **349674** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	5.0	25.00	0	119	62.6	136			
Surr: BFB	1100		1000		106	80	120			

Sample ID **1307C47-002AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **Base 5-pt @ 9'**	Batch ID: **8606**	RunNo: **12311**
Prep Date: **7/29/2013**	Analysis Date: **7/31/2013**	SeqNo: **350666** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	48	9.6	24.11	29.70	76.2	76	156			
Surr: BFB	3100		1929		160	80	120			S

Sample ID **1307C47-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **Base 5-pt @ 9'**	Batch ID: **8606**	RunNo: **12311**
Prep Date: **7/29/2013**	Analysis Date: **7/31/2013**	SeqNo: **350667** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	53	9.6	24.08	29.70	96.8	76	156	9.78	17.7	
Surr: BFB	3300		1927		170	80	120	0	0	S

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J *Analyte detected below quantitation limits*
- O RSD is greater than RSDlimit
- 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
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1307C47**

01-Aug-13

Client: Blagg Engineering
Project: RIDDLE F LS 7

Sample ID **MB-8606**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **8606**	RunNo: **12311**
Prep Date: **7/29/2013**	Analysis Date: **7/31/2013**	SeqNo: **350683** 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	0.99		1.000		98.6	80	120			

Sample ID **LCS-8606**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **8606**	RunNo: **12311**
Prep Date: **7/29/2013**	Analysis Date: **7/31/2013**	SeqNo: **350684** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.050	1.000	0	92.2	80	120			
Toluene	0.91	0.050	1.000	0	90.5	80	120			
Ethylbenzene	0.91	0.050	1.000	0	90.8	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.7	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- 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
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

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: 1307C47 RcptNo: 1

Received by/date: AG 07/26/13

Logged By: Anne Thorne 7/26/2013 10:10:00 AM Anne Thorne

Completed By: Anne Thorne 7/29/2013 Anne Thorne

Reviewed By: 07/29/13

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	2.3	Good	Yes			

Chain-of-Custody Record

Client: BLAGG ENGINEERING INC.
BP AMERICA
Mailing Address: P.O. Box 87
BLOOMFIELD NM 87413
Phone #: 505-632-1199
email or Fax#:
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: RIDDLE F LS 7
Project #:
Project Manager: J. BLAGG
Sampler: J. BLAGG
On Ice: ☒ Yes ☐ No
Sample Temperature: 2.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1304647	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
7/23/13	1440	SOIL	WELLHEAD WALL 5'-7'	4 oz x 1	COOL	-001	X		X									
"	1450	V	BASE 5-pt @ 9'	"	"	-002	X		X									

Date:	Time:	Relinquished by:	Received by:	Date	Time
7/25/13	1147			7/25/13	1147
7/25/13	1750			07/26/13	1010

Remarks: BILL BLAGG

BP CONTACT: JEFF PEACE

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.