<u>Ďistrict I</u> 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

Form C-141 Revised April 3, 2017

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

Release Notification and Corrective Action

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

						OPERA	ΓOR		Initia	al Report		Final Report		
				ion Company		Contact Erin Garifalos								
			rmingto	n, NM 87401			No. (832) 609-		п					
Facility Nar	ne GCU 2	232				Facility Typ	e: Natural Ga	as vve	JII					
Surface Ow	ner: Fed	eral		Mineral C	wner:	Federal			API No.3004511630					
				LOCA	TION	OF RE	LEASE							
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/\	West Line	County		1		
M	26	28N	12W	1,190	Nor	th	900	We	st	S	an	Juan		
			Latitud	e 36.62954	Lo	ongitude1	08.08652	NAD	83					
				NAT	URE	OF REL								
Type of Rele	ase:: none	9					Release: unkno			Recovered::				
Source of Re	belo	w grade ta	nk - 95 l	obl		n/a	lour of Occurrence	e:	n/a	Hour of Dis	covery:			
Was Immedia		Given?		No Not Re	equired	If YES, To	Whom?							
By Whom?						Date and H	lour							
Was a Water	course Read		** 🗔			If YES, Vo	lume Impacting t	he Wate	ercourse.					
			Yes 🗸				IED		3 - 3	NMOCD				
If a Watercou	ırse was Im	pacted, Descri	ibe Fully.*		U	FIN	IED		111	L 2 6 20	118			
					BY: Van	essa Fields			30	L 2 0 21)10			
							334-6178 Ext. 119		DIST	RICT				
Describe Cau	se of Probl	em and Remed	dial Actior	for Chl on pro	orides, kimity to	BTEX, and surface an	ath the BGT was TPH below BGT d groundwater t . Field reports a	closur he chlo	re standard oride conce	ds except c entration is	hloride not de	es. Based etrimental to		
Describe Are	a Affected	and Cleanup A	Action Tak	^{en.*} Final lab	orato	ry analys	is show no f	urthe	r action	necessa	ary.			
regulations all public health should their of or the environ	I operators or the envi- operations hament. In a	are required to ronment. The have failed to a	o report an acceptance adequately OCD accep	d/or file certain re e of a C-141 repo investigate and re	elease no rt by the emediate	otifications are NMOCD m contaminati	knowledge and und perform correctarked as "Final Room that pose a three the operator of the correctary of the operator of the correctary o	tive act eport" d eat to gr responsi	ions for rele loes not reli round water ibility for co	eases which eve the oper s, surface wa compliance w	may en ator of ter, hui rith any	danger liability man health		
							OIL CONS	SERV	ATION	DIVISIO	N			
l.	Tun 9	Wilfalo	4											
						Approved by	Environmental Sp	pecialist	::					
Printed Name	Erin C	arifalos					X	e		/				
		onmenta			1	Approval Dat	e: 8/6/18		Expiration I	Date:				
E-mail Addre	ess: erin.	garifalos	@bpx	.com	(Conditions of	Approval:			Attached				
Date: July 2				(832) 609-70	48		1	•						
Attach Addit	tional Shee	ets If Necess	ary				Labor	0	0/0	1	1			

CLIENT: BP	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199											
FIELD REPORT:	(circle one): BGT CONFIRMATION		OTHER:	(if applicble):	of1							
SITE INFORMATION	I: SITE NAME: GCU #	232		DATE STARTED: 0	5/29/18							
QUAD/UNIT: M SEC: 26 TWP:	28N RNG: 12W PM		ST: NM	57112 6171111251	0/20/10							
1/4 -1/4/FOOTAGE: 1,190'S / 99		TYPE: FEDERAL STATE		DATE FINISHED:								
		STRIKE		ENVIRONMENTAL SPECIALIST(S):	NJV							
		ONTRACTOR: BP - J. GO										
REFERENCE POINT		36.6291										
1) 95 BGT (SW/DB)	GPS COORD.:	3.62954 X 108.08652	DISTANCE/BEA	RING FROM W.H.:164'	, N22.5E							
2)	GPS COORD.:		DISTANCE/BEA	RING FROM W.H.:								
3)	GPS COORD.:		DISTANCE/BEA	RING FROM W.H.:								
4)	GPS COORD.:		DISTANCE/BEA	RING FROM W.H.:								
SAMPLING DATA:	CHAIN OF CUSTODY RECORD(S) # 0				OVM READING (ppm)							
1) SAMPLE ID: 5PC - TB @ 6'	(95) SAMPLE DATE: 05/29	9/18 SAMPLE TIME:1310	LAB ANALYSIS: 80°	15B/8021B/300.0 (CI)	NA							
2) SAMPLE ID:		SAMPLE TIME:	LAB ANALYSIS:									
SAMPLE ID: SAMPLE ID:		SAMPLE TIME: SAMPLE TIME:	LAB ANALYSIS:									
5) SAMPLE ID:	SAMPLE DATE:		LAB ANALYSIS:									
SOIL DESCRIPTION	· COULTYPE CAND CULTY CAND	CILT CILTY CLAY CLAY (CDA)	T. / OTHER									
SOIL COLOR: MODERATE BROWN COHESION (ALL OTHERS): NON COHESIVE SLIGHTL CONSISTENCY (NON COHESIVE SOILS): LC MOISTURE: DRY SLIGHTLY MOIST MOIST / W SAMPLE TYPE: GRAB COMPOSITE + DISCOLORATION/STAINING OBSERVED: YES	PALE YELLOWISH ORANGE Y COHESIVE / COHESIVE / HIGHLY COHESIVE DOSE (FIRM) DENSE / VERY DENSE ET / SATURATED / SUPER SATURATED OF PTS. 5 EXPLANATION -	PLASTICITY (CLAYS): NON PLASTIC DENSITY (COHESIVE CLAYS & HC ODOR DETECTED: YES NO ANY AREAS DISPLAYING WETNES	C / SLIGHTLY PLASTIC (C SILTS): SOFT (FIRM) EXPLANATION -	STIFF / VERY STIFF / HAR								
SITE OBSERVATION												
APPARENT EVIDENCE OF A RELEASE OBSERVE EQUIPMENT SET OVER RECLAIMED AREA: OTHER: NMOCD OR BLM REPS. NOT PR	YES NO EXPLANATION -		L TO BE PLUGGED	& ABANDONED.								
EXCAVATION DIMENSION ESTIMATION	NA ft. X NA	ft. X NA ft.	EXCAVATION ES	TIMATION (Cubic Yards)	: NA							
DEPTH TO GROUNDWATER: <50' N	IEAREST WATER SOURCE: >1,000			CD TPH CLOSURE STD:	100 ppm							
SITE SKETCH	BGT Located: off on sit	e PLOT PLAN circ	cle: attached	I CALIB. READ. = NA	nnm							
	FENCE		1 0 0 11	I CALIB. GAS = NA	ppm RF =1.00							
	TENOL		N		NA							
PBG	TL X	BERM	'	MISCELL. N								
T.B. ⁄ B.C			_	VO:								
	Woo	DEN		REF #: P-994	/D2							
	R.		_	ID: VHIXONEV	BZ							
SEPARATOR			1 -	U#:	6/03/10							
	✓ COMPRESSOR		C	OCD Appr. date(s): 03 nk OVM = Organic Vapo ppm = parts per mill	3/07/17 or Meter							
	/ TO		=	BGT Sidewalls Visible:								
	√ W.H.		(- S.P.D.	BGT Sidewalls Visible: BGT Sidewalls Visible:								
NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATI T.B. = TANK BOTTOM; PBGTL = PREVIOUS BEL APPLICABLE OR NOT AVAILABLE; SW - SINGL		POINT DESIGNATION; R.W. = RETAINING		Magnetic declination:								
NOTES: GOOGLE EARTH IMAG	ERY DATE: 3/15/2015.	ONSITE: 05/29/	18									

revised: 11/26/13 BEI1005E-6.SKF

Analytical Report

Lab Order 1805F15

Date Reported: 6/1/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC-TB @ 6' (95)

Project:

Collection Date: 5/29/2018 1:10:00 PM

Lab ID:

GCU 232 1805F15-001

Matrix: SOIL

Received Date: 5/30/2018 6:50:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	700	30	mg/Kg	20	5/30/2018 12:22:00 PM	38378
EPA METHOD 8015M/D: DIESEL RANGI	E ORGANICS				Analyst	Irm
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	5/30/2018 10:14:48 AM	38375
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	5/30/2018 10:14:48 AM	38375
Surr: DNOP	88.4	70-130	%Rec	1	5/30/2018 10:14:48 AM	38375
EPA METHOD 8015D: GASOLINE RANG	SE.				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.0	mg/Kg	1	5/30/2018 10:42:35 AM	38366
Surr: BFB	93.7	15-316	%Rec	1	5/30/2018 10:42:35 AM	38366
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.020	mg/Kg	1	5/30/2018 10:42:35 AM	38366
Toluene	ND	0.040	mg/Kg	1	5/30/2018 10:42:35 AM	38366
Ethylbenzene	ND	0.040	mg/Kg	1	5/30/2018 10:42:35 AM	38366
Xylenes, Total	ND	0.080	mg/Kg	1	5/30/2018 10:42:35 AM	38366
Surr: 4-Bromofluorobenzene	103	80-120	%Rec	1	5/30/2018 10:42:35 AM	38366

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Value above quantitation range E
- Analyte detected below quantitation limits Page 1 of 5 J
- Sample pH Not In Range P
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

CI	hain-	of-Cus	stody Red	cord	Turn-Around	Γime:	SAME	HALL ENVIRONMENTAL					E .										
Client:	BLAG	G ENGR.	/ BP AMERIC	A	☐ Standard	☑ Rush _	DAY													AT			
					Project Name							ww	w.ha	allen	viro	nme	ntal	.con	n				
Mailing Ad	ddress:	P.O. BO	X 87			GCU # 23	32		49	01 F	ławk									9			
		BLOOM	FIELD, NM 874	13	Project #:			1	Te	el. 50	05-34	45-3	975		Fax	505	-345	-410)7				
Phone #:		(505) 63	32-1199								1.8		ļ	Anal	ysis	Red	ques	st					
email or F	ax#:				Project Manag	ger:	3 3																
QA/QC Pad Standa			Level 4 (Full	Validation)	Sampler: NELSON VELEZ Souly Sould So					05,50	PCB's			er - 300.			a						
Accreditat	ion:			-	Sampler: NELSON VELEZ			₩ 1.80	(Gas	DRO/	1	1)	SIN		102,1	8082			/ wat			mpl	
□ NELAP		□ Other			COMPANY OF THE PARTY OF THE PAR	On Ice: X Yes No. 97)			표	-	418	504	827((0	03,1	-		(A)	0.00			e sa	2 Z
□ EDD (T	ype)				Sample Temp	erature: 🔐	2	1	# #	(GR(pou	pot	or	stal	N,	cide	(A)	i-V	il - 3		e	osit	٥ ک
Date	Time	Matrix	Sample R	equest ID	Container Type and #	Preservative Type	HEALNO.	BTEX +-MIT	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310 or 8270SIMS)	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil - 300.0 / water - 300.1)		Grab sample	5 pt. composite sample	Air Bubbles (Y or N)
5/29/18	1310	SOIL	5PC - TB @	6 (95)	4 oz 1	Cool	201	٧		٧									٧			٧	
				0.000																			
																						_	
					-				-		\vdash		_	_								_	
		-						_				-							_		_	_	-
								-	_			-	_	_				-			_		
								-					_				_						_
								_			\blacksquare		_				_						_
																	_						_
Date: 5/29/18	1100	Relinquish	Mult			4 Wall	Date Time	Remarks: BILL DIRECTLY TO BP USING THE CONTACT WITH CORRESPONDING & REFERENCE # WHEN APPLICABLE; CONTACT: ERIN GARIFALOS / VANCE HIXON				NDING	i VID										
Date: 29/18	Time: 1820	Relinquish	~	etes	Received by:	accredited laboratorie	105/30/18	VID: VHIXONEVB2 Reference # P - 994 e of this possibility. Any sub-contracted data will be clearly notated on the analytical report															

Hall Environmental Analysis Laboratory, Inc.

WO#:

1805F15

01-Jun-18

Client:

Blagg Engineering

Project:

GCU 232

Sample ID MB-38378

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 38378

RunNo: 51601

Prep Date: 5/30/2018

Result

SeqNo: 1683649

Units: mg/Kg

Analyte

Analysis Date: 5/30/2018 PQL

HighLimit

%RPD **RPDLimit** Qual

Chloride

ND 1.5

SampType: Ics

PQL

1.5

TestCode: EPA Method 300.0: Anions

Client ID: LCSS

Sample ID LCS-38378

Batch ID: 38378

RunNo: 51601

Units: mg/Kg

Prep Date: 5/30/2018

Analysis Date: 5/30/2018

SeqNo: 1683650

SPK value SPK Ref Val %REC

HighLimit

%RPD **RPDLimit**

Qual

Analyte

Result

110

Chloride

14

15.00

SPK value SPK Ref Val %REC LowLimit

93.1

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded Н

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

P

Reporting Detection Limit RL

Sample pH Not In Range

Sample container temperature is out of limit as specified

Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1805F15

01-Jun-18

Client:

Blagg Engineering

Project:

GCU 232

Project: GCU 23										
Sample ID MB-38375	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch	ID: 38	375	F	RunNo: 5	1598				
Prep Date: 5/30/2018	Analysis D	ate: 5/	30/2018	S	SeqNo: 1	682170	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.7		10.00		86.6	70	130			
Sample ID LCS-38375	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch	ID: 383	375	F	RunNo: 5 ′	1598				
Prep Date: 5/30/2018	Analysis D	ate: 5 /	30/2018	S	SeqNo: 10	682171	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	101	70	130			
Surr: DNOP	3.9		5.000		77.7	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

Page 3 of 5

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1805F15

01-Jun-18

Client:

Blagg Engineering

Project:

GCU 232

110jeet. 330 25									
Sample ID MB-38366	SampType:	MBLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: PBS	Batch ID:	38366	F	RunNo: 5	1603				
Prep Date: 5/29/2018	Analysis Date:	5/30/2018	5	SeqNo: 1	682799	Units: mg/k	(g		
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND 5	.0							
Surr: BFB	930	1000		92.9	15	316			
Sample ID LCS-38366	SampType:	LCS	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch ID:	38366	F	RunNo: 5	1603				
Prep Date: 5/29/2018	Analysis Date:	5/30/2018	S	SeqNo: 10	682800	Units: mg/K	g		
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28 5	.0 25.00	0	112	75.9	131			
Surr: BFB	1100	1000		106	15	316			

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

PQL Practical Quanitative Limit

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

Page 4 of 5

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1805F15

01-Jun-18

Client:

Blagg Engineering

Project:

GCU 232

Sample ID MB-38366	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batch	n ID: 38	366	R	RunNo: 5	1603				
Prep Date: 5/29/2018	Analysis D	ate: 5/	30/2018	S	SeqNo: 1	682840	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

Sample ID LCS-38366	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch ID: 38366			F						
Prep Date: 5/29/2018	Analysis D	ate: 5/	30/2018	S	SeqNo: 1	682841	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.0	77.3	128			
Toluene	0.96	0.050	1.000	0	96.5	79.2	125			
Ethylbenzene	0.96	0.050	1.000	0	96.0	80.7	127			
Xylenes, Total	3.0	0.10	3.000	0	98.9	81.6	129			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			

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

PQL Practical Quanitative Limit

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

Page 5 of 5

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:	1805F15		RcptNo:	1
						*, x -
Received By: Anne	Thorne 5/30/201	8 6:50:00 AM	. 8	anne Am	<u>ئا يا بار با</u>	
Completed By: Anne		8 7:09:32 AM		anne Am		
Reviewed By:	FO 5/30	(i.g				
Chain of Custody						
1. Is Chain of Custody co	omplete?		Yes 🔽	No 🗆	Not Present	
2. How was the sample of	delivered?		Courier			
					ne e	
Log In 3. Was an attempt made	to cool the samples?		Yes 🗹	No 🗌	NA 🗆	
	to door the samples?				1	
4. Were all samples recei	ived at a temperature of >0° C to	6.0°C	Yes ✓	No 🗆	NA 🗆	
5. Sample(s) in proper co	ontainer(s)?		Yes 🗹	No .		
C. Sufficient namely volum	ne for indicated to at/a)2		′es ✓	No 🗆		
6. Sufficient sample volun	OA and ONG) properly preserved		′es ✔ ′es ✔	No		Œ
Was preservative adde		190	es 🗀	No 🗸	NA 🗆	
o. was preservative adde	a to bottles!	'	63 🗀			
9. VOA vials have zero he	eadspace?	Y	es 🗌	No 🗌	No VOA Vials 🗹	
10. Were any sample cont	ainers received broken?	.)	res 🗌	No 🗹	# of preserved	
11. Does paperwork match	hottle lahele?	_	es 🗸	No 🗆	bottles checked for pH:	
(Note discrepancies on		Ţ	es 💌	NO		>12 unless noted)
12. Are matrices correctly in	dentified on Chain of Custody?	Y	es 🗸	No 🗌	Adjusted?	
13. Is it clear what analyses	s were requested?		es 🗸	No 🗌		
 Were all holding times : (If no, notify customer for the custome		Y	es 🗸	No 📙	Checked by:	
			6 14			
Special Handling (if a	applicable)					*
15. Was client notified of a	Ill discrepancies with this order?	.)	res 🗌	No 🗌	NA 🗹	
Person Notified:		Date				
By Whom:		Via:	eMail Phor	ne 🔲 Fax	In Person	
Regarding:						
Client Instruction	s:	6 B B				
16. Additional remarks:	ų.				*	
17. Cooler information					**	*
Cooler No Temp		Seal No Sea	al Date Sig	ned By		
1 [1.2	Good Yes		M A NORMA (M. 1804) - M. O. LO LOS O. M. MANNEY, M. 1804			*1



