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

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			Garifalos					
				n, NM 87401			No. (832) 609-					
Facility Nan	ne MONC	RIEF FED	DERAL (001]	Facility Typ	e: Natural Ga	as We				
Surface Own	ner: Fede	eral		Mineral C)wner:	Federal			API No	.3004508	3084	
				LOCA	TION	OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/\	West Line	County		1
Н	22	29N	12W	1,450	Nor	th	1,190	Eas	st	S	an	Juan
			Latitud	_e 36.71540	Lo	ongitude1	08.08202	NAD	83			
				NAT	URE	OF RELI						
Type of Relea	se:: none	1					Release:: unkno			Recovered:: N		
Source of Rel	ease: belo	w grade tai	nk - 95 I	obl		n/a	our of Occurrenc	e:	n/a	Hour of Disco	overy:	
Was Immedia	te Notice C		Yes 🗸	No Not Re	equired	If YES, To	Whom?					
By Whom?					-	Date and H	our					
Was a Waterc	ourse Reac	hed?	Yes 🗸	No		If YES, Vo	lume Impacting t	he Wate	ercourse.			
If a Watercou	rse was Imp	pacted, Descri	be Fully.*							NMOCD		
									M	AY 10 20	018	
standards e	the soil b	eneath the E H and chloric	BGT was les. Base	done during read on proximity	to surfa	ce and grou	s resulted for C undwater the TF nent. Field repo	PH clos	sure stand	ard for the le	ocatio	n is 1,000
Describe Area	Affected a	and Cleanup A	ction Tak	en.* Final lab								
				Final lab	orator	y analys	is show no f	urtne	raction	necessai	ry.	
regulations all public health should their o	operators or the envir perations h ment. In a	are required to conment. The ave failed to a ddition, NMO	report an acceptanc dequately CD accep	d/or file certain re e of a C-141 repo investigate and re	elease no ort by the emediate	tifications ar NMOCD ma contamination	knowledge and und perform correctarked as "Final Reform that pose a three the operator of r	tive acti eport" d eat to gr	ons for rele oes not reli ound water	eases which meve the operate, surface water	nay end tor of l er, hum	langer iability an health
l	run g	orifalo	4				OIL CONS	SERV	ATION	DIVISION	*	
Signature: Printed Name					A	Approved by	Environmental Sp	pecialist	: (m	my)	1	1
Title: Field			I Cooi	dinator	A	Approval Dat	e: 5/14/1	8	Expiration I	Date:		
E-mail Addres	ss: erin.	garifalos	@bp.	com		Conditions of	, ,			Attached		
Date: May 8		4. ICN		(832) 609-70)48		_		-	- Titudiled		

NUS 181 343 4986

CLIENT: BP	P.O. BOX 87, BI	NGINEERING, INC LOOMFIELD, NM 5) 632-1199	7 W	API #: 3004508 TANK ID (if applicble):	
FIELD REPORT:	(circle one): BGT CONFIRMATION /		HER:	4	of 1
SITE INFORMATION QUAD/UNIT: H SEC: 22 TWP: 1/4-1/4/FOOTAGE: 1,450'N / 1,1	29N RNG: 12W PM:	IEF FEDERAL #1 NM CNTY: SJ YPE: FEDERAL STATE / F	ST: NM	DATE STARTED: 03/ DATE FINISHED:	13/18
	PROD. FORMATION: PC/DK CO	IZELLEV OF			IJV
2)	GPS COORD.: 36.		DISTANCE/BEAF	RING FROM W.H.: 87, S8	86.5W
	GPS COORD.:		DISTANCE/BEAR	RING FROM W.H.:	OVM
SAMPLING DATA: 1) SAMPLE ID: 5PC - TB @ 4' 2) SAMPLE ID: 4) SAMPLE ID: 40 5) SAMPLE ID: 50 5) SAMPLE ID: 50	SAMPLE DATE: SAMPLE DATE: SAMPLE DATE:		AB ANALYSIS:AB ANALYSIS:	I5B/8021B/300.0 (CI)	READING (ppm) NA
SOIL DESCRIPTION SOIL COLOR: MODE COHESION (ALL OTHERS): NON COHESIVE (SLIGHTLY CONSISTENCY (NON COHESIVE SOILS): LO MOISTURE: DRY/SLIGHTLY MOIST MOIST/W SAMPLE TYPE: GRAB COMPOSITE + # DISCOLORATION/STAINING OBSERVED: YES M	RATE BROWN COHESIVE COHESIVE / HIGHLY COHESIVE COSE FIRM DENSE / VERY DENSE ET / SATURATED / SUPER SATURATED FOR PTS. 5	PLASTICITY (CLAYS): NON PLASTIC / S DENSITY (COHESIVE CLAYS & SIL HC ODOR DETECTED: YES NO EX ANY AREAS DISPLAYING WETNESS:	SLIGHTLY PLASTIC / CC LTS): SOFT / FIRM / : KPLANATION -	STIFF / VERY STIFF / HARD	HLY PLASTIC
SITE OBSERVATION APPARENT EVIDENCE OF A RELEASE OBSERVE EQUIPMENT SET OVER RECLAIMED AREA: OTHER: GAS WELL PLUGGED & ABAND	DAND/OR OCCURRED: YES NO EXPL YES NO EXPLANATION -	ANATION:	NESS CONFIRMA	TION SAMPLING.	
EXCAVATION DIMENSION ESTIMATION:	NA ft. XNA			TIMATION (Cubic Yards) :	NA
DEPTH TO GROUNDWATER: >100' N	EAREST WATER SOURCE: >1,000')00 ppm
SITE SKETCH	BGT Located: off / on site	PLOT PLAN circle:	VIVI	CALIB. GAS = NA P	RF=1.00
(x :	PBGTL T.B. ~ 4' B.G.	P&A MARKER ⊕	A Si G Pe Or Tan I A	O: 4300903103 FE #: X7-00703-E:F IO #: 19004000767 L #: 745277 ermit date(s): 06/0 CD Appr. date(s): 01/1 OVM = Organic Vapor M ppm = parts per million	3/10 7/18 enter
	OW-GRADE TANK LOCATION; SPD = SAMPLE PO E WALL; DW - DOUBLE WALL; SB - SINGLE BOTT	LOW, T.H. = TEST HOLE; ~= APPROX.; WH DINT DESIGNATION; R.W. = RETAINING WA	ALL; NA - NOT M	BGT Sidewalls Visible: Y /	

Analytical Report

Lab Order 1803745

Date Reported: 3/15/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC-TB @ 4' (95)

Project: MONCRIEF FEDERAL 1

Collection Date: 3/13/2018 8:15:00 AM

Lab ID: 180

1803745-001

Matrix: SOIL

Received Date: 3/14/2018 7:35:00 AM

Analyses	Result	PQL Qua	al Units	DF	Date Anal	yzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	CJS
Chloride	4000	150	mg/Kg	100	3/14/2018 1	10:16:23 AM	37006
EPA METHOD 8015D MOD: GASOLINE R	RANGE					Analyst:	AG
Gasoline Range Organics (GRO)	ND	3.8	mg/Kg	1	3/14/2018 1	10:57:24 AM	G49772
Surr: BFB	123	70-130	%Rec	1	3/14/2018 1	10:57:24 AM	G49772
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS	3				Analyst:	TOM
Diesel Range Organics (DRO)	18	9.8	mg/Kg	1	3/14/2018 1	10:59:02 AM	37005
Motor Oil Range Organics (MRO)	74	49	mg/Kg	1	3/14/2018 1	10:59:02 AM	37005
Surr: DNOP	95.5	70-130	%Rec	1	3/14/2018 1	10:59:02 AM	37005
EPA METHOD 8260B: VOLATILES SHOR	T LIST					Analyst:	AG
Benzene	ND	0.019	mg/Kg	1	3/14/2018 1	10:57:24 AM	R49772
Toluene	ND	0.038	mg/Kg	1	3/14/2018 1	10:57:24 AM	R49772
Ethylbenzene	ND	0.038	mg/Kg	1	3/14/2018 1	10:57:24 AM	R49772
Xylenes, Total	ND	0.077	mg/Kg	1	3/14/2018 1	0:57:24 AM	R49772
Surr: 4-Bromofluorobenzene	115	70-130	%Rec	1	3/14/2018 1	0:57:24 AM	R49772
Surr: Toluene-d8	89.5	70-130	%Rec	1	3/14/2018 1	0:57:24 AM	R49772

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
- 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 1 of 5
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

	nain-c	of-Cus	stody Record	Turn-Around T	ime:	SAME	SAME HALL ENVIRONMENTA						CAY		¥.							
Client:	BLAG	G ENGR.	/ BP AMERICA	☐ Standard	☑ Rush _	DAY													AT(
				Project Name:								v.hal								*		
Mailing Ad	dress:	P.O. BO	X 87	MON	CRIEF FEDI	ERAL #1		49	01 H	awki	ns N	IE -	Albi	uqu	erqu	ıe, N	M 8	710	9			
		BLOOM	FIELD, NM 87413	Project #:				Te	1. 50	5-34	5-39	975	F	ax !	505-	345	-410	7				
Phone #:		(505) 63	2-1199									Α	naly	sis	Red	ues	t				n - in	
email or F	ax#:			Project Manag	er:									4)				300.1)				
QA/QC Pad Standa	_		Level 4 (Full Validation)		SABRE BEE	BE	(8021B)	+ MTBE + TPH (Gas only)	/ MRO)			15)		Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8082 PCB's			1			e	
Accreditat	ion:			Sampler:	NELSON VI	ELEZ 977	1 (8	(Gas	80	F	न	8270SIMS)	- 1	102,	808			/ water			sample	
□ NELAP		□ Other		On Ice		E No.	1	TPH	0/0	418	504.1)	827	S	03,1	/ Sa		(AC	300.0		1	te sa	N
□ EDD (T	ype)	T		Samule Tempe	#	BE +	(GR	pou	poq	o	etal	Ci,N	icide	(A)	j-Y-i	1		e e	osit	٥		
Data	Time	Matrix	Comple Deguest ID	Container	Preservative		1	M	15B	Met	Met	831(8	S (F,	Pest	3	(Sen	Je (sc		sample	composite	pples
Date	Time	Matrix	Sample Request ID	Type and # Mean Kot	Туре	HEAL No. 11	BTEX 4	втех +	TPH 8015B (GRO / DRO	TPH (Method 418.1)	EDB (Method	PAH (8310	RCRA 8 Metals	Anion	8081 Pesticides /	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil		Grab	5 pt. c	Air Bubbles (Y or N)
3/13/18	0815	SOIL	5PC-TB@ 4 '(95)	4 oz 1	Cool	701	٧		٧									٧			V	
					•																	
																					\top	\neg
												\neg									\neg	\neg
																				\neg	\top	
												\neg	\neg						\neg	\neg	\top	\neg
				,								\neg	\neg						\neg	\neg	\forall	
												\neg								\top	\dashv	\neg
											7		\neg						\dashv	\top	_	\neg
										\neg		\neg	\neg							7	\dashv	\dashv
Date:	Time:	Relinquish	ed by:	Received by:	1	Date Time	Rem	arks								BE FO	RWA	RDED	FROM	BP. I	FNOT	G.
3/13/18	1418	7	UnVI	Mestr	challe	3/13/18 1418	PLEASE CONTACT SABRE BEEBE.															
Date:	Time:	Relinquish	Mut Caet	Received by:	200	Date Time 3/14/16 0755																
	If necessa	ry, samples s	ubmitted to Hall Environmental may be s	ubcontracted to other	accredited laboratorie	es. This serves as notice of	f this p	ossibil	ity. An	y sub-	contra	cted d	ata wi	Il be d	learly	notate	ed on	the an	alytical	report	Ł.	

Hall Environmental Analysis Laboratory, Inc.

WO#:

1803745

15-Mar-18

Client:

Blagg Engineering

Project:

MONCRIEF FEDERAL 1

Sample ID MB-37006

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 37006

RunNo: 49765

Prep Date: 3/14/2018

Sample ID LCS-37006

Analysis Date: 3/14/2018

SeqNo: 1611765

Units: mg/Kg

Analyte Chloride

Result

PQL

SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD

Qual

ND

RPDLimit

SampType: Ics

TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 37006

RunNo: 49765 SeqNo: 1611766

Units: mg/Kg

Analyte

Prep Date: 3/14/2018

Analysis Date: 3/14/2018

SPK value SPK Ref Val %REC

HighLimit %RPD

PQL

15.00

1.5

Page 2 of 5

Chloride

15

RPDLimit

Qual

0

110

97.6

ND

Qualifiers: Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix H Holding times for preparation or analysis exceeded

% Recovery outside of range due to dilution or matrix

Not Detected at the Reporting Limit Practical Quanitative Limit **PQL**

В Analyte detected in the associated Method Blank

E Value above quantitation range J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Detection Limit Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1803745

15-Mar-18

Client:

Blagg Engineering

Project:

MONCRIEF FEDERAL 1

Sample ID LCS-37005	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch	ID: 37	005	F	RunNo: 4	9769				
Prep Date: 3/14/2018	Analysis D	ate: 3/	14/2018	5	SeqNo: 1	610502	Units: mg/h	〈 g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.0	70	130			
Surr: DNOP	4.1		5.000		82.7	70	130			
Sample ID MB-37005	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	

Sample ID MB-37005	SampT	ype: ME	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics									
Client ID: PBS	Batch	ID: 37	005	F	RunNo: 4	9769							
Prep Date: 3/14/2018	Analysis D	ate: 3/	14/2018	8	SeqNo: 1	610503	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	8.8		10.00		88.4	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
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

laryte detected in the associated Method Blank

alue above quantitation range

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1803745

15-Mar-18

Client:

Blagg Engineering

Project:

MONCRIEF FEDERAL 1

Sample ID 100ng Ics	SampT	ype: LC	S4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch	n ID: R4	9772	F	RunNo: 49772							
Prep Date:	Analysis D	ate: 3/	14/2018	8	SeqNo: 1	610522	Units: mg/h	(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.98	0.025	1.000	0	98.2	80	120					
Toluene	0.99	0.050	1.000	0	98.6	80	120					
Ethylbenzene	0.99	0.050	1.000	0	99.1	80	120					
Xylenes, Total	3.0	0.10	3.000	0	99.7	80	120					
Surr: 4-Bromofluorobenzene	0.47		0.5000		93.5	70	130					
Surr: Toluene-d8	0.46		0.5000		91.4	70	130					

Sample ID rb	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List	
Client ID: PBS	Batch	ID: R4	9772	F	RunNo: 4	9772				
Prep Date:	Analysis D	ate: 3/	14/2018	8	SeqNo: 1	610526	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	0.54		0.5000		107	70	130			
Surr: Toluene-d8	0.46		0.5000		91.3	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
 - iiits

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#:

1803745

15-Mar-18

Client:

Blagg Engineering

Project:

MONCRIEF FEDERAL 1

Sample ID 2.5ug gro ics	SampT	SampType: LCS TestCode: EPA Method 8015D Mod: Gasoline R								
Client ID: LCSS	Batch	1D: G 4	G49772 RunNo: 49772							
Prep Date:	Analysis D	ate: 3/	14/2018	S	SeqNo: 1	610519	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	118	70	130			
Surr: BFB	540		500.0		107	70	130			

Sample ID rb	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8015D Mod:	Gasoline	Range	
Client ID: PBS	Batch	1D: G4	9772	F	RunNo: 4	9772				
Prep Date:	Analysis D	ate: 3/	14/2018	S	SeqNo: 1	610520	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0							_	
Surr: BFB	580		500.0		115	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
 - Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 5 of 5



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 Numb	er: 180374	5	RcptNo	o: 1
Received By: Anne Thome	3/14/2018 7:35:00 A	м.	am I		
Completed By: Anne Thorne	3/14/2018 7:50:12 A	M	· anne S	·	
Reviewed By: 8RL 03/14/18				.*	
Labeled By: AT					
Chain of Custody					
1. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present	
2. How was the sample delivered?	8	Courier			
Log In		•			
3. Was an attempt made to cool the samples?		Yes 🗹	No 🗌	NA 🗆	
4. Were all samples received at a temperature	of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗆	
5. Sample(s) in proper container(s)?		Yes 🗹	No 🗆		
6. Sufficient sample volume for indicated test(s	1)?	Yes 🗸	No 🗆		
7. Are samples (except VOA and ONG) proper		Yes 🔽	No 🗆		
Was preservative added to bottles?	y proserved.	Yes 🗌	No ☑	NA 🗆	
O. Was preservative added to bottles?		165	140 🖭	NA L	
9. VOA vials have zero headspace?		Yes	No 🗌	No VOA Vials 🗹	
10. Were any sample containers received broke	n?	Yes	No 🗹	# of preserved	
		_		bottles checked	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗌	for pH:	r >12 unless noted)
12. Are matrices correctly identified on Chain of	Custody?	Yes 🗸	No 🗆	Adjusted?	in a diagonal field and
13. Is it clear what analyses were requested?	,	Yes 🗹	No 🗆		
14. Were all holding times able to be met?		Yes 🗹	No 🗆	Checked by:	
(If no, notify customer for authorization.)					
Special Handling (if applicable)					
15. Was client notified of all discrepancies with	this order?	Yes	No 🗆	NA 🗹	
Person Notified:	Date	A STATE OF THE PARTY OF THE PAR		* '	
By Whom:	Via:	eMail [Phone Far	In Person	
Regarding:					
Client Instructions:	4.000.000.400.400.000.000.000.000.000.0	CONTRACTOR OF STREET,	N-19-4-CD-000-CPA-DEGNAMA PAGAMENA PUBLIAN PU		
16. Additional remarks:					
17. Cooler Information					
	eal Intact Seal No	Seal Date	Signed By	4	
1 1.0 Good Yes		er og trok, gill likker sammelsen av anskalensen	1		



