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

* Attach Additional Sheets If Necessary

State of New Mexico Energy Minerals and Natural Resources

Revised August 8, 2011

Form C-141

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

			Rel	ease Notific	eation	and Co	orrective A	ction	1								
						OPERA	\boxtimes	Final Report									
Name of Co	ompany: B	P				Contact: Jef	f Peace			al Report							
		Court, Farm	ington N	M 87401			No.: 505-326-94	79									
		gos Canyon I					e: Natural gas v										
racility Ival	ille. Galleg	308 Carryon (OIII 23/1	2		racinty Typ	e. Naturai gas v	ven									
Surface Ow	ner: Priva	te		Mineral C)wner:	Federal			API No	API No. 3004526269							
				LOCA	TIO	N OF REI	LEASE										
Unit Letter	Section	Township	Range	Feet from the	North	South Line	Feet from the	East/V	Vest Line	County: S	an Juan	1					
C	13	28N	13W	1,060	North		1,450	West									
		La	titude	36.66628		_ Longitud	le108.17432_										
				NAT	URE	RE OF RELEASE											
Type of Rele	ase: conder	nsate/oil				Volume of	Release: unknow	'n	Volume I	Recovered: 1	none						
Source of Re							Iour of Occurrenc			Hour of Dis		: March 31,					
						unknown			2014; 3:4								
Was Immedia	ate Notice (Given?	Yes 🗵	No Not Ro	equired	If YES, To	Whom?										
D W/l 9			1 100 2	, 1.0 L 1.00110	equired	Dete and I	T										
By Whom? Was a Water		-1 10				Date and F		1 - 117-4	/	Fra 1000 -							
was a Water	course Read	ched?	Yes ∑	No		If YES, Volume Impacting the Watercourse RECEIVED											
If a Watercou	ırse was Im	pacted, Desci	ibe Fully.	*													
		,	,							FEB (0 3 20	115					
results showe	ed TPH valu		m by Meth	n Taken.* During and 418.1 and 840 moved.													
of 132 ppm b	y Method 4 ed to a land	418.1 and 53.5	5 ppm by I	ken.* Impacted so Method 8015B and excavated area w	d non-de	etect for benze	ene. Approximate	ely 2.5 c	ubic yards	of impacted	l soil w	ere removed					
regulations at public health should their of or the environ	Il operators or the envi operations h nment. In a	are required to ronment. The nave failed to	e is true and comp nd/or file certain r ce of a C-141 repo investigate and r otance of a C-141	elease nort by the emediat	otifications as e NMOCD m e contaminati	nd perform correct arked as "Final Ro on that pose a thre	tive acti eport" d eat to gr	ons for rel oes not rel ound water	eases which ieve the ope r, surface wa	may er rator of ater, hu	ndanger Fliability man health						
	0	_					OIL CONS	SERV	ATION	DIVISM	N						
Signature:	969	Veal	e									1					
Printed Name	e: Jeff Peac	e				Approved by Environmental Specialist:											
		tal Coordinate	or			Approval Dat	e: 4/13/16	5 1	Expiration	Date:							
E-mail Addre	ess: peace.j	effrey@bp.co	m		Conditions of Approval:												
Date: Januar	y 30, 2015		Phone	: 505-326-9479													

#NCS 15103 42 272

M

BP America: GCU 237E

(C) Sec 13 – T28N – R13W San Juan County, New Mexico

Summary Record of Impact Remediation

March 27, 2014 Initial inspection of well site and 95 BGT location following recent storm flood event that deposited up to 2 feet of sand on entire location, filling up the BGT with rain water and displacing any fluids that may have been inside the BGT. Obvious soil staining with hydrocarbons in the surface sand surrounding the BGT. Well site located on private property (Bolack Ranch) on a steep hillside.

Site Closure Standard (from BGT Permit) Determined at 5,000 ppm TPH based on:

Horizontal Distance to Surface Water > 1,000 feet (0 points) Nearest Water Well > 1,000 feet (0 points) Depth to Groundwater >100 feet (0 points)

March 31, 2014 Work crew removes BGT with crane. A 5-point composite soil sample immediately below tank collected with hand auger. Field OVM reading = 1,190 ppm, Lab TPH (418.1) = 150 ppm, TPH (8015B) = 840 ppm, Benzene = 0.60 ppm, Chlorides = 130 ppm. Well left shut-in pending workplan to remove sediment and reset production equipment.

October 27, 2014 Work crew strips up to 2 feet of sediment from well pad surface and builds berm between the pad surface and the surrounding hillside. Remove approximate 1 foot of sediment from prior BGT depression and find that BGT had been set in a sandstone "vault" 12' x 12' x 6' deep. Sample 5-point composite of the sandstone surface below the BGT using trackhoe. Field OVM reading = 27 ppm, Lab TPH (418.1) = 132 ppm, TPH (8015B) = 53.5 ppm, Benzene = ND, Chlorides = 42.6 ppm.

October 28, 2014 Following receipt of laboratory report, field crew backfills BGT depression. Approximate soil volume removed for remediation at Crouch Mesa Landfarm = 2.5 cubic yards.

63	BLAGG ENGINEERING, INC.	API# 30-045-26269
CLIENT: BP	P.O. BOX 87, BLOOMFIELD, NM 87413	TANK ID A
	(505) 632-1199	(if applicble):
FIELD REPORT:	(circle one): BGT CONFIRMATION / RELEASE INVESTIGATION / OTHER:	PAGE#: of
SITE INFORMATION	SITE NAME: GCU 237E	DATE STARTED: 10/21/2014
QUAD/UNIT: C SEC: 3 TWP:	28N RNG: 13W PM: NM CNTY: SJ ST: NM	DATE FINISHED: 10/27/2014
1/4-1/4/FOOTAGE: 1060 FNL × 145	PROD. FORMATION: CONTRACTOR: STRIKE (SULT MEYER	ENMIDONBUENTAL
	: WELL HEAD (W.H.) GPS COORD.: 36.666.55 × 108.17	
	GPS COORD.: 36.666 28 x 108.1743Z DISTANCE	
2)		BEARING FROM W.H.:
	GPS COORD.: DISTANCE/	
4)	BEARING FROM W.H.:	
SAMPLING DATA:		OVM READING
	6 SAMPLE DATE 10/27/14 SAMPLE THIE: 1300 LAB ANALYSIS: 70	(ppm)
	SAMPLE DATE SAMPLE TIME LAB ANALYSIS.	
	SAMPLE DATE: SAMPLETIME: LABANALYSIS:	
	SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS:	
	SOIL TYPE: SAND/SILTY SAND/SILT/SILTY CLAY/CLAY/GRAVEL/OTHER)	
CONSISTENCY (NON COHESIVE SOILS): LO MOISTURE ORY SLIGHTLY MOIST / MOIST / WE SAMPLE TYPE: GRAB COMPOSITE H DISCOLORATION/STAINING OBSERVED (YES IN	OF PTS.: ANY AREAS DISPLAYING WETNESS: YES / NO EXP	LANATION -
EQUIPMENT SET OVER RECLAIMED AREA: OTHER: 2 Feet OF SAND	DANDOROCCURRED (PES) NO EXPLANATION: STAINING YES (NO EXPLANATION- Deposites on well Pad Removed Prior to I Exeguited into SANDSTONE.	BGT SAMPling.
SOIL IMPACT DIMENSION ESTIMATION:		MATION (Cubic Yards) : 5 +
	EAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000 N	AOCD TPH CLOSURE STD: 5000 ppm
SITE SKETCH [YE WELL	DMICALIB. READ. = 53.1 ppm $_{RF=0.52}$ ppm $_{DMICALIB. GAS} = \frac{100}{100}$ ppm $_{DATE} = \frac{100}{100}$ ppm $_$
	EXCAVATION INTO BEDROCK SANDSTONE 12'X12'X6 DOND	PO#: 4300289440 PK; PJ#: Permit date(s): 6/9/2010 OCD Appr. date(s): 3/28/2014 Tank DOWN = Organic Vapor Meter ppm = parts per million A BGT Sidewalls Visible: Y/N BGT Sidewalls Visible: Y/N
T.B. = TANK BOTTOM; PBGTL = PREVIOUS BEL	ON DEPRESSION; B.G. = BELOW GRADE, B = BELOW; T.H. = TEST HOLE; ~= APPROX.; W.H. = WELL HEAD; ? OW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA - NOT EWALL; DW-DOUBLE WALL; SB - SINGLE BOTTOM; DB-DOUBLE BOTTOM.	Magnetic declination: 10° E
NOTES:	ONSITE:	
revised: 11/26/13		BEI1005E-6.SK



PO Box 87

Bloomfield NM, 87413

Project Name:

GCU 237E

Project Number:

94034-0011

Project Manager:

Bill Blagg

Reported:

29-Oct-14 11:47

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
95 BGT 5-Pt @ 6'	P410115-01A	Soil	10/27/14	10/27/14	Glass Jar, 4 oz.



Bloomfield NM, 87413

Project Name:

GCU 237E

PO Box 87

Project Number: Project Manager: 94034-0011 Bill Blagg Reported: 29-Oct-14 11:47

95 BGT 5-Pt @ 6' P410115-01 (Solid)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021							-		
Benzene	ND	0.10	mg/kg	1	1444007	10/27/14	10/28/14	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1444007	10/27/14	10/28/14	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1444007	10/27/14	10/28/14	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1444007	10/27/14	10/28/14	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1444007	10/27/14	10/28/14	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1444007	10/27/14	10/28/14	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1444007	10/27/14	10/28/14	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		101 %	50	-150	1444007	10/27/14	10/28/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	9.98	mg/kg	1	1444007	10/27/14	10/28/14	EPA 8015D	
Diesel Range Organics (C10-C28)	53.5	39.9	mg/kg	2	1444003	10/27/14	10/28/14	EPA 8015D	
Surrogate: o-Terphenyl		91.7 %	50	-200	1444003	10/27/14	10/28/14	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		91.8 %	50	-150	1444007	10/27/14	10/28/14	EPA 8015D	
Total Petroleum Hydrocarbons by 418.1									
Total Petroleum Hydrocarbons	132	35.0	mg/kg	1	1444008	10/27/14	10/27/14	EPA 418.1	
Cation/Anion Analysis									
Chloride	42.6	9.82	mg/kg	1	1444002	10/27/14	10/27/14	EPA 300.0	



Project Name:

GCU 237E

PO Box 87

Bloomfield NM, 87413

Project Number: Project Manager:

94034-0011

Bill Blagg

Reported: 29-Oct-14 11:47

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Blank (1444007-BLK1)				Prepared: 2	7-Oct-14	Analyzed: 2	28-Oct-14			
Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10	11							
Ethylbenzene	ND	0.10	"							
p,m-Xylene	ND	0.20	11							
p-Xylene	ND	0.10	11							
Total Xylenes	ND	0.10	11							
Total BTEX	ND	0.10	н.							
'urrogate: 4-Bromochlorobenzene-PID	0.402		"	0.399		101	50-150			
LCS (1444007-BS1)				Prepared: 2	7-Oct-14	Analyzed: 2	28-Oct-14			
Benzene	20.2	0.10	mg/kg	19.9		101	75-125			
Γoluene	20.5	0.10	310	19.9		103	70-125			
Ethylbenzene	20.6	0.10	н	19.9		103	75-125			
,m-Xylene	41.7	0.20	"	39.9		105	80-125			
-Xylene	20.7	0.10	11	19.9		104	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.409		"	0.399		103	50-150			
Matrix Spike (1444007-MS1)	Sourc	e: P410113-	01	Prepared: 2	7-Oct-14	Analyzed: 2	28-Oct-14			
Benzene	20.5	0.10	mg/kg	20.0	ND	103	75-125			
Coluene	20.9	0.10	11	20.0	ND	104	70-125			
thylbenzene	20.9	0.10	11	20.0	ND	104	75-125			
,m-Xylene	42.1	0.20		40.0	ND	105	80-125			
-Xylene	20.9	0.10	11	20.0	ND	104	75-125			
Eurrogate: 4-Bromochlorobenzene-PID	0.405		"	0.400		101	50-150			
Matrix Spike Dup (1444007-MSD1)	Sourc	e: P410113-	01	Prepared: 2	7-Oct-14	Analyzed: 2	28-Oct-14			
Benzene	20.2	0.10	mg/kg	20.0	ND	101	75-125	1.40	15	
oluene	20.4	0.10	n	20.0	ND	102	70-125	2.09	15	
Ethylbenzene	20.6	0.10	п	20.0	ND	103	75-125	1.09	15	
,m-Xylene	41.8	0.20	**	40.0	ND	105	80-125	0.856	15	
-Xylene	20.7	0.10	11	20.0	ND	104	75-125	0.935	15	
Surrogate: 4-Bromochlorobenzene-PID	0.403		"	0.400		101	50-150			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

laboratory@envirotech-inc.com



PO Box 87

Bloomfield NM, 87413

Project Name:

GCU 237E

Project Number:

94034-0011

Project Manager:

Bill Blagg

Reported:

29-Oct-14 11:47

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD				
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes			
Batch 1444003 - DRO Extraction EPA 3550M													
Blank (1444003-BLK1)				Prepared: 2	27-Oct-14	Analyzed: 2	28-Oct-14						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg										
Surrogate: o-Terphenyl	40.8		"	40.0		102	50-200						
LCS (1444003-BS1)				Prepared: 2	27-Oct-14	Analyzed: 2	28-Oct-14						
Diesel Range Organics (C10-C28)	535	24.9	mg/kg	499		107	38-132						
Surrogate: o-Terphenyl	44.1		"	39.9		111	50-200						
Matrix Spike (1444003-MS1)	Sou	rce: P410102-	01	Prepared: 2	27-Oct-14	Analyzed: 2	28-Oct-14			t Notes			
Diesel Range Organics (C10-C28)	523	30.0	mg/kg	500	ND	105	38-132						
Surrogate: o-Terphenyl	42.5		"	40.0		106	50-200						
Matrix Spike Dup (1444003-MSD1)	Sou	rce: P410102-	01	Prepared: 2	27-Oct-14	Analyzed: 2	28-Oct-14			Notes			
Diesel Range Organics (C10-C28)	560	30.0	mg/kg	500	ND	112	38-132	6.81	20				
Surrogate: o-Terphenyl	45.5		"	40.0		114	50-200						



PO Box 87

Bloomfield NM, 87413

Project Name:

GCU 237E

Project Number:

94034-0011

Project Manager:

Bill Blagg

Reported:

29-Oct-14 11:47

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1444007 - Purge and Trap EPA 5030A										
Blank (1444007-BLK1)				Prepared: 2	27-Oct-14	Analyzed: 2	28-Oct-14			
Gasoline Range Organics (C6-C10)	ND	9.98	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.367		"	0.399		92.1	50-150			
LCS (1444007-BS1)				Prepared: 2	27-Oct-14	Analyzed: 2	28-Oct-14			
Gasoline Range Organics (C6-C10)	287	. 9.97	mg/kg	291		98.5	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.369		"	0.399		92.7	50-150			
Matrix Spike (1444007-MS1)	Sou	rce: P410113-	01	Prepared: 2	27-Oct-14	Analyzed: 2	28-Oct-14			
Gasoline Range Organics (C6-C10)	296	9.99	mg/kg	292	ND	101	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.370		"	0.400		92.6	50-150			
Matrix Spike Dup (1444007-MSD1)	Sou	rce: P410113-	01	Prepared: 2	27-Oct-14	Analyzed: 2	28-Oct-14			
Gasoline Range Organics (C6-C10)	292	9.99	mg/kg	292	ND	100	75-125	1.31	15	
Surrogate: 4-Bromochlorobenzene-FID	0.368		"	0.400		92.0	50-150			



PO Box 87

Project Name:

Project Manager:

GCU 237E

Bloomfield NM, 87413

94034-0011 Project Number:

Bill Blagg

Reported:

29-Oct-14 11:47

Total Petroleum Hydrocarbons by 418.1 - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1444008 - 418 Freon Extraction										
Blank (1444008-BLK1)				Prepared &	Analyzed:	27-Oct-14				
Total Petroleum Hydrocarbons	ND	34.9	mg/kg							
Duplicate (1444008-DUP1)	Sour	ce: P410105-	01	Prepared &	Analyzed:	27-Oct-14				
Total Petroleum Hydrocarbons	ND	35.0	mg/kg					30		
Matrix Spike (1444008-MS1)	Sour	Prepared &	: Analyzed:	27-Oct-14						
Total Petroleum Hydrocarbons	1980	34.9	mg/kg	2020	ND	98.2	80-120			



PO Box 87 Bloomfield NM, 87413 Project Name:

GCU 237E

Project Number: Project Manager:

Reporting

94034-0011

Spike

Source

Bill Blagg

Reported:

29-Oct-14 11:47

RPD

%REC

Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1444002 - Anion Extraction EPA 300.0										
Blank (1444002-BLK1)				: 27-Oct-14						
Chloride	ND	9.91	mg/kg							
LCS (1444002-BS1)				Prepared &	Analyzed	27-Oct-14				
Chloride	488	9.95	mg/kg	498		98.0	90-110			
Matrix Spike (1444002-MS1)	Source	e: P410105-	01	Prepared &	Analyzed	27-Oct-14				
Chloride	489	9.87	mg/kg	494	ND	99.1	80-120			
Matrix Spike Dup (1444002-MSD1)	Source	e: P410105-	01	Prepared &	Analyzed:	27-Oct-14				
Chloride	498	9.99	mg/kg	500	ND	99.8	80-120	1.84	20	

17948

CHAIN OF CUSTODY RECORD

Client: BLAGG Engineery Inc. Project Name / Location: BP Amenica Email results to: Jeff Blagg JEFF Frace Nelson Veles D-Blagg										ANALYSIS / PARAMETERS												
Email results to: JEFF Blago	1	. 8	Sampler Name:							Û.	<u> </u>											
JEFF Rece N	elson Ve	دادع	Sampler Name:	las					3015	1 802	8260	S				-						
Client Phone No.: 505 - 320			Client No.: 9403	4-00	11				TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	8 Metal	Cation / Anion		TCLP with H/P	CO Table 910-1	118.1)	RIDE			e Cool	Sample Intact
Sample No./ Identification	Sample Date	Sample Time	Lab No.		olume ntainers	Pr HNO ₃	eservati HCI	ve	ТРН (Л	BTEX	VOC (I	RCRA	Cation	RCI	TCLP	CO Tal	TPH (418.1)	CHLORIDE			Sample	Sample
95 BG+ 5-PE @6"	10/27/14	130	2 P410115-01	L×	402				×	٧							×	×			>	1
						14																
					į																	
											R	V	SH	A	45)	46)					
											K	XLL	- 6	34	40	6	6					
Relinquished by: (Signature)			10	Date	1	Recei	ived b	y: (Si	ignati	ure)										Dat		Гime
Relinquished by: (Signature)				27/14	1425		M	1	M	10	M	10	06							-c 01	141	4:25
Relinquished by: (Signature)			Recei	ived b	y: (Si	ignati	ure))												
Sample Matrix																						
Soil Solid Sludge	Aqueous [] Other																				
☐ Sample(s) dropped off after	hours to see	cure drop	off area.	3 e	en V Anal	ir (ol La	e (chator) y					3.8)						
5795 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • Three Springs • 65 Mercado Stree									uite 1	15, D	uranç	go, C	0 813	301 •	labo	rator	y@en	virote	ch-inc	.com		