District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV

Pit

regulations

Approval:

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Form C-144 June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office. For downstream facilities, submit to Santa Fe

1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa Fe, NM 87505 Pit or Below-Grade Tank Registration or Closure Is pit or below-grade tank covered by a "general plan"? Yes 🔀 No 🗌

Type of action: Registration of a pit or below-grade tank 🗋 Closure of a pit or below-grade tank 🛣 Telephone: (505)326-9200 e-mail address: Operator: BP America Production Company Address: 200 Energy Ct, Farmington, NM 87401 API#:30045 26234 U/Lor Otr/Otr L Sec 26 T 28 NR 13 W Facility or well name: GCW # 1565 Longitude NAD: 1927 🗌 1983 🔀 County: San Juan Latitude Surface Owner: Federal

State Private Indian Below-grade tank Type: Drilling Production Disposal Volume: bbl Type of fluid: Workover Emergency Construction material: Double-walled, with leak detection? Yes Lined Unlined Liner type: Synthetic Thickness ____mil Clay Pit Volume. ____bbl Less than 50 feet (20 points) Depth to ground water (vertical distance from bottom of pit to seasonal 50 feet or more, but less than 100 feet (10 points) high water elevation of ground water.) 100 feet or more (0 points) Yes (20 points) Wellhead protection area: (Less than 200 feet from a private domestic 0 Nο (0 points) water source, or less than 1000 feet from all other water sources.) Less than 200 feet (20 points) Distance to surface water: (horizontal distance to all wetlands, playas, 200 feet or more, but less than 1000 feet (10 points) irrigation canals, ditches, and perennial and ephemeral watercourses.) 1000 feet or more (0 points) Ranking Score (Total Points) If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite offsite If offsite, name of facility . (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No 🔂 Yes 🗌 If yes, show depth below ground surface_______ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations. Additional Comments: See Attached Documentation I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines , a general permit , or an (attached) alternative OCD-approved plan . Date: 11/01/2005 Printed Name/Title Jeffrey C. Blagg, Agent Signature Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or

Printed Name/Title

TETUTY OIL & GAS INSPECTOR, DIST. @8

_____Date: ___

I BLA					
	GG ENGINEERING	, INC.	LOC	ATION NO:	B1156
CLIENT: BP P.O. BOX	87, BLOOMFIELD	. NM 874	13		i
	(505) 632-1199	•	1	CR NO:	10506
	(505) 652-1155				
				,	,
FIELD REPORT: PIT CL	OSURE VERIFI	CATIO	N PAG	E No:/	of _/
					- 1.01-2
LOCATION: NAME: GCM	WELL#: \56E TYPE	: 5EP.	———		2/18/03
QUAD/UNIT: L SEC: Z6 TWP: Z8N RN	G: 13W PM: NY CNTY: 50	ST: NM	DATE	FINISHED:	
OTR/FOOTAGE: 1850N 796W	NWISW CONTRACTOR: LAL			ONMENTAL	NV
EXCAVATION APPROX. 16 FT.	K <u>16</u> FT. X <u>9.5</u> FT.	. DEEP. CU	BIC YARD	AGE: _	40
DISPOSAL FACILITY: 02-5	TTE REMEDIA	TION METHO)D: _	LANDFA	RM
LAND USE: RANGE NAVATO SLAF.			FORMAT	ION: 6	SP LOK
CHILD GOL:				ION.	,,,,,,
FIELD NOTES & REMARKS: PIT LOG	CATED APPROXIMATELY	<u> </u>	N50W	FROM	WELLHEAD.
DEPTH TO GROUNDWATER: >100 NEAREST V	VATER SOURCE: > 1000	_ NEAREST SU	JRFACE WAT	ER: >/	000'
· · · · · · · · · · · · · · · · · · ·	CLOSURE STD: 5000 PP	nt.e			"
NMOCD RANKING SCORE: NMOCD TPH	OLOGURE STD PP				
SOIL AND EXCAVATION DESCRIP	TION:	OVM CALIB. F			Dr - 0.50
		OVM CALIB. C			$\frac{RF = 0.52}{2/14/03}$
		TIME: 1:0			
SOIL TYPE: SAND/ SILTY SAND / SILT / SILTY SOIL COLOR: 27, 70 OK. GRA		CK - LT.			
COHESION (ALL OTHERS): NON COHESIVE SLIGHTL			GKN7	3-18	ELOW GRADE
CONSISTENCY (NON COHESIVE SOILS): LOOSE FIRM		DOTIEOTE			
PLASTICITY (CLAYO): NON PLASTIC / SLIGHTLY PLAST		HIGHLY PLASTIC	:	_	
DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / ST				(cu	2£D)
MOISTURE: DRY / SLIGHTLY MOIST /MOIST /WELL SA					
DISCOLORATION/STAINING OBSERVED: YES NO EX	PLANATION - ENTIRE TEST HO	LE INTERNAL	& BEOR	ock tur	FACE .
HC ODOR DETECTED: (ES) NO EXPLANATION - E>	REQUATED SOIL & oum	SAMPLE.			
SAMPLE TYPE: GRABY COMPOSITE - # OF PTS.					
4 - 1	T= -0				
ADDITIONAL COMMENTS: COLLECTED SAM					
BEDROCK TO SUGHTLY FRABLE	E. STEEL TANK TO BE				
BEDROCK TO SUGHTLY FRABLE	e. Steel tank to be im Personnel-	CHURTRUNG			
BEDROCK TO SUGHTLY FRABLE WITH SSED BY B	E. STEEL TANK TO BE FIELD 418.1 CALCI	CANTALLED	IN SAM	क्€ शर्त व	ASSA.
BEDROCK TO SUGHTLY FRABLE	E. STEEL TANK TO BE FIELD 418.1 CALCI	CANTALLED	IN SAM	क्€ शर्त व	
SCALE SAMP. TIME SAMP. ID	E. STEEL TANK TO BE FIELD 418.1 CALCI	CANTALLED	IN SAM	क्€ शर्त व	ASSA.
BEDROCK TO SUGHTLY FRABLE WITH SSED BY B	E. STEEL TANK TO BE FIELD 418.1 CALCI	CANTALLED	IN SAM	क्€ शर्त व	ASSA.
SCALE SAMP. TIME SAMP. ID	E. STEEL TANK TO BE FIELD 418.1 CALCI	CANTALLED	in sam	क्€ शर्त व	CALC. (ppm)
SCALE SAMP. TIME SAMP. ID PIT PERIMETER	E. STEEL TANK TO BE FIELD 418.1 CALCI	CANTALLED	in sam	READING	CALC. (ppm)
SCALE SAMP. TIME SAMP. ID PIT PERIMETER	FIELD 418.1 CALCI LAB NO. WEIGHT (g)	CANTALLED	in sam	READING	CALC. (ppm)
SCALE SAMP. TIME SAMP. ID PIT PERIMETER	FIELD 418.1 CALCI LAB NO. WEIGHT (g) OVM READING SAMPLE FIELD HEADSPACE	CANTALLED	in sam	READING	CALC. (ppm)
SCALE SAMP. TIME SAMP. ID O FT PIT PERIMETER	PERSONNEL- FIELD 418.1 CALCI LAB NO. WEIGHT (g) OVM READING SAMPLE FIELD HEADSPACE (ppm)	CANTALLED	in sam	READING	CALC. (ppm)
SCALE SAMP. TIME SAMP. ID O FT PIT PERIMETER 7.4.04.5' 8.9.0.	FIELD 418.1 CALCI LAB NO. WEIGHT (g) OVM READING SAMPLE FIELD HEADSPACE	CANTALLED	in sam	READING	CALC. (ppm)
SCALE SAMP. TIME SAMP. ID O FT PIT PERIMETER 7.4. 4.5' 8.9.0.	OVM READING SAMPLE ID FIELD HEADSPACE (ppm) 1 @ 7 //04 2 @ 3 @	CANTALLED	in sam	READING	CALC. (ppm)
SCALE SAMP. TIME SAMP. ID O FT PIT PERIMETER 7.4.04.5' 8.9.0.	OVM READING SAMPLE ID FIELD HEADSPACE (ppm) 1 @ 7 //0 4 2 @ 3 @ 4 @ 4	ULATIONS mL FREON	DILUTION	READING PROFIL	CALC. (ppm)
SCALE SAMP. TIME SAMP. ID O FT PIT PERIMETER 7.4. 4.5' 8.9.0.	OVM READING SAMPLE ID FIELD HEADSPACE (ppm) 1 @ 7 //04 2 @ 3 @	ULATIONS mL FREON	DILUTION	READING	CALC. (ppm)
SCALE SAMP. TIME SAMP. ID O FT PIT PERIMETER 7.4. 4.5' 8.9.0.	OVM READING SAMPLE ID FIELD HEADSPACE (ppm) 1 @ 7 //0 4 2 @ 3 @ 4 @ 4	ULATIONS mL FREON	DILUTION	READING PROFIL	CALC. (ppm)
SCALE SAMP. TIME SAMP. ID O FT PIT PERIMETER 20 8ERM 7.4.5' 8.9.0. 8ERM P.O. 8.6.	OVM READING SAMPLE ID FIELD HEADSPACE (ppm) 1 @ 7 //0 4 2 @ 3 @ 4 @ 4	ULATIONS mL FREON	DILUTION	READING PROFIL	CALC. (ppm)
SCALE SAMP. TIME SAMP. ID O FT PIT PERIMETER 7.4. 4.5' 8.9.0.	OVM READING SAMPLE ID FIELD HEADSPACE (ppm) 1 @ 7 //0 4 2 @ 3 @ 4 @ 4	ULATIONS mL FREON	DILUTION	READING PROFIL	CALC. (ppm)
SCALE SAMP. TIME SAMP. ID PIT PERIMETER P.O. 8.6. SEP	OVM READING SAMPLE ID FIELD HEADSPACE (ppm) 1 @ 7 //0 4 2 @ 3 @ 4 @ 4	ULATIONS mL FREON	DILUTION	READING PROFIL	CALC. (ppm)
SCALE SAMP. TIME SAMP. ID O FT PIT PERIMETER N SERM P.O. N. Z.S. BERM FROM SERM SEP	OVM READING SAMPLE ID FIELD HEADSPACE (ppm) 1 @ 7 //04/ 2 @ 3 @ 4 @ 5 @	ULATIONS mL FREON	DILUTION	READING PROFIL	CALC. (ppm)
SCALE SAMP. TIME SAMP. ID PIT PERIMETER P.O. 8.6. SEP	OVM READING SAMPLE ID 1 @ 7 //0 4/ 2 @ 3 @ 4 @ 5 @ LAB SAMPLES SAMPLE LAB SAMPLES SAMPLE SAM	ULATIONS mL FREON	DILUTION	READING PROFIL	CALC. (ppm)
SCALE SAMP. TIME SAMP. ID O FT PIT PERIMETER N SERM P.O. N. Z.S. BERM FROM SERM SEP	OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 @ 7 //04 2 @ 3 @ 4 @ 5 @ LAB SAMPLES SAMPLE ANALYSIS TIME DC7 TPH (80158) 6946	ULATIONS mL FREON	DILUTION	READING PROFIL	CALC. (ppm)
SCALE SAMP. TIME SAMP. ID O FT PIT PERIMETER N SERM P.O. N. Z.S. BERM FROM SERM SEP	OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 @ 7 //04/ 2 @ 3 @ 4 @ 5 @ LAB SAMPLES SAMPLE ANALYSIS TIME	ULATIONS mL FREON	DILUTION	READING PROFIL	CALC. (ppm)
SCALE SAMP. TIME SAMP. ID O FT PIT PERIMETER N SERM P.O. N. Z.S. BERM FROM SERM SEP	OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 @ 7 //04 2 @ 3 @ 4 @ 5 @ LAB SAMPLES SAMPLE ANALYSIS TIME DC7 TPH (80158) 6946	ULATIONS mL FREON	DILUTION	READING PROFIL	CALC. (ppm)
SCALE SAMP. TIME SAMP. ID PIT PERIMETER P.O. 2.5 BERN P.D. 9.6. P.D. = PIT, DEPRESSION; B.G. = BELOW GRADE; B = BELOW	OVM READING SAMPLE ID 7 //O 4/ 2 @ 3 @ 4 @ 5 @ LAB SAMPLES SAMPLE ANALYSIS TIME ID THH (60158) 6946 " 6TEX (80218) "	ULATIONS mL FREON	DILUTION	READING PROFIL	CALC. (ppm)
SCALE SAMP. TIME SAMP. ID OFT PIT PERIMETER 20 SEP SEP SUGHTLY FRABEL RAMP. ID SAMP. ID OFT PIT PERIMETER P.O. 2.5 WELL HEAD	OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 @ 7 //0 4 2 @ 3 @ 4 @ 5 @ LAB SAMPLES SAMPLE ANALYSIS TIME (DCT TRH (80158) 6946 " GTEX (80218) "	ULATIONS mL FREON	DILUTION PIT P	READING PROFIL	CALC. (ppm)



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 7'	Date Reported:	02-19-03
Laboratory Number:	24883	Date Sampled:	02-18-03
Chain of Custody No:	10506	Date Received:	02-19-03
Sample Matrix:	Soil	Date Extracted:	02-19-03
Preservative:	Cool	Date Analyzed:	02-19-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	41.5	0.2
Diesel Range (C10 - C28)	1.7	0.1
Total Petroleum Hydrocarbons	43.2	0.2

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments:

GCU #156 Separator Pit

Grab Sample.

Analyst P. Oylerca

_ Christini M Walter



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 7'	Date Reported:	02-19-03
Laboratory Number:	24883	Date Sampled:	02-18-03
Chain of Custody:	10506	Date Received:	02-19-03
Sample Matrix:	Soil	Date Analyzed:	02-19-03
Preservative:	Cool	Date Extracted:	02-19-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Benzene	9.4	1.8	
Toluene	141	1.7	
Ethylbenzene	108	1.5	
p,m-Xylene	721	2.2	
o-Xylene	309	1.0	
Total BTEX	1,290		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery		
	Fluorobenzene	97 %		
	1,4-difluorobenzene	97 %		
	Bromochlorobenzene	97 %		

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846,

USEPA, December 1996.

Comments:

GCU #156E Separator Pit Grab Sample.

Analyst C. Cylum

Review Review

CLIENT: BP	BLAGG 1	ENGIN	EERIN	IG. INC	C.			0000
	P.O. BOX 87,			•	1	LOCATIO)N N[]:	81156
		605) 63				C.D.	C. NO	11652
FIELD REPORT:	LANDFARM/	COMPC	ST PI	LE CLO	SURE	VERII	FICA	TION
LOCATION: NAME: GCL QUAD/UNIT: C SEC: 26						DATE STAR		
QTR/FOOTAGE:						ENVIRONME SPECIALIST	NTAL	NV
SOIL REMEDIATION:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			<u> </u>		31 EGIACIST		40
REMEDIATION SYS	STEM: LANDFARM		AF	PROX. C	UBIC YA	ARDAGE		40
LAND USE: LA				FT DEPTH				
FIELD NOTES & REMA								
SOIL TYPE: SAND / SILTY SA	AND / SILT / SILTY CU	AY / CLAY	/ GRAVEL	/ DTHER _	· · · · · · · · · · · · · · · · · · ·			
COMESION (ALL OTHERS): NON CONSISTENCY (NON COMESIVE					COHESIV	Ε		
PLASTICITY (CLAYS): NON PL DENSITY (COHESIVE CLAYS &	ASTIC / SLIGHTLY PLA	STIC / COH	ESIVE / M	EDIUM PLAST	TIC / HIGH	LY PLAST	.ic	
MOISTURE: DRY / SLIGHTLY I	MOIST / MOIST / WET	/ SATURATE	D / SUPER	SATURATED	1			CLOSED
DISCOLORATION/STAINING OBSI HC ODOR DETECTED: YES / N	O EXPLANATION							
SAMPLING DEPTHS (LANDFARMS SAMPLE TYPE: GRAB / COMP	CINC COSITE - # OF PTS.	:HES) 5						
ADDITIONAL COMMENTS:								
	F16	ELD 418.1	CALCULAT	IONS				
SAMP. TIME S	AMPLE I.D. LAB No:	WEIGHT (g) mL. FRE	ON DILUTION	READING	CALC. p	pm	
		! <u>.</u>						
SKETCH/SAMPI		₹ \		CALIB. READ				
	, ANDT	epron		CALIB. GAS <u>8:25</u>				
	32 PERIM							EC
_				FIELD HEADSPACE PID (ppm)	SAMPLE	LAB SA	TIME	ESULTS RESULTS
SAMPLE PT.	3 1 ,		1D LF-1	PID (ppm)	LF-1	TPH (8015B)		105
2	3 75, pro	~ 1			,	(001318)	7005	703
	30, WEL	L HEAD						
3	\				ļ			
WELL								
HEAD								
P.C 2/18/03								
			COATE		.c z	118/03		
			SCALE		.c z	118/03		
			SCALE 0		.C Z	118/03		
TRAVEL NOTES: CALLOU revised: 07/16/01	T:N/A]		118/03	h.	ei1006A.skc

CIIOOON.SKu



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF-1	Date Reported:	01-26-04
Laboratory Number:	27607	Date Sampled:	01-23-04
Chain of Custody No:	11652	Date Received:	01-23-04
Sample Matrix:	Soil	Date Extracted:	01-23-04
Preservative:	Cool	Date Analyzed:	01-26-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	105	0.1
Total Petroleum Hydrocarbons	105	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments: GCU Lease #156E 5 Pt. Composite Sample.

Analyst Analyst

Landrea R. Jackson