istrict I 525 N. French Dr., Hobbs, NM 88240 istrict II 301 W. Grand Avenue, Artesia, NM 88210 istrict III 000 Pio Brazor Road, Azter, NM 87410 000 Rio Brazos Road, Aztec, NM 87410 vistrict IV 220 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

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

Form C-144 June 1, 2004

Y 12 1 1 2 2 3 4 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	<u>or Below-Grade Tank Registration or C</u>	losure
is pit or below-grade tank covered by a "general plan"? Yes 🔀 No 🗀	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 🔀	
Operator: BP America Production Company Telephon	ne: <u>(505)326-9200</u> e-mail address:		
Address: 200 Energy Ct, Farmington, NM 87401			
Facility or well name: GCU COM E #161 API#:	3004507977 U/Lor Qtr/Qtr_C	> Sec <u>Z3</u> T <u>Z9 N</u>	1 R13W
County: San Juan Latitude	Longitude	NAD: 1927	1983 🖳
Surface Owner: Federal 🔀 State 🗌 Private 🔲 Indian 🗍			
<u>Pit</u>	Below-grade tank		
Type: Drilling Production Disposal	Volume:bbl Type of fluid:		
Workover Emergency	Construction material:		RCVD NOV1
Lined [Unlined [Double-walled, with leak detection? Yes 🔲 If	not, explain why not.	WOAD 1404 T
Liner type: Synthetic Thicknessmil Clay			oil_con s. D
Pit Volumebbl			
Depth to ground water (vertical distance from bottom of pit to seasonal	Less than 50 feet	(20 points)	DIST. 3
high water elevation of ground water.)	50 feet or more, but less than 100 feet	(10 points)	>
ingli viate dividing of ground viaterly	100 feet or more	(0 points)	
Wellhead protection area: (Less than 200 feet from a private domestic	Yes	(20 points)	
water source, or less than 1000 feet from all other water sources.)	No.	(0 points)	>
water source, or less than 1000 feet from an other water sources.	Logo than 200 Sout	(20	
Distance to surface water: (horizontal distance to all wetlands, playas,	Less than 200 feet	(20 points)	
tion canals, ditches, and perennial and ephemeral watercourses.)	200 feet or more, but less than 1000 feet	(10 points)	
	1000 feet or more	(0 points)	
	Ranking Score (Total Points)	(0
this is a pit closure: (1) Attach a diagram of the facility showing the pit our are burying in place) onsite of offsite offsite, name of facility mediation start date and end date. (4) Groundwater encountered: No offsite of Attach soil sample results and a diagram of sample locations and excaval Additional Comments:	. (3) Attach a genera	l description of remedial action to	aken including
See Attached Documentation			

		· · · · · · · · · · · · · · · · · · ·	
I hereby certify that the information above is true and complete to the best has been/will be constructed or closed according to NMOCD guideline Date: 11/01/2005 Printed Name/Title Jeffrey C. Blagg, Agent Signat Your certification and NMOCD approval of this application/closure does notherwise endanger public health or the environment. Nor does it relieve to regulations.	ure	native OCD-approved plan	ground water or
roval: Printed Name/Title PPUTY On & GAS INSPECTOR, DIST. @B	Signature Bd Pdl		1 7 2006

P.O. BOX 87, BLOOMFIELD, NM 87413	C.D.C. ND: 9098
(505) 632-1199	C.B.C. NB. 7070
FIELD REPORT: PIT CLOSURE VERIFICATION	PAGE No: of
QUAD/UNIT: P SEC: 23 TWP: Z9N RNG: 13W PM:NM CNTY: ST ST:NM	DATE STARTED: 7/25/02 DATE FINISHED:
QTR/FOOTAGE: 1020 5 (1525 E SWISE CONTRACTOR: FUNT (BEN)	ENVIRONMENTAL NV
EXCAVATION APPROX. 26 FT. x 18 FT. x 5 FT. DEEP. CUBIC	_
DISPOSAL FACILITY: ON-SHE REMEDIATION METHO	D: LANDFARM
LAND USE: RANGE - BUM LEASE: NM073847 FOR	RMATION:
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 165 FT. A	189E FROM WELLHEAD.
DEPTH TO GROUNDWATER: 2100' NEAREST WATER SOURCE: 21000 NEAREST SURFAC	E WATER: 2/000 /
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM	
SOIL AND EXCAVATION DVM CALIB. GA	AD. $S9=1$ ppm S=100 ppm RF = 0.52
DESCRIPTION:	m(pm) DATE: 7/25/02
SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / GRAVEL / OTHER _ SOIL COLOR:	
COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY	, COHEZINE
CONSISTENCY (NON COHESIVE SOILS): LOOSE / CRM / DENSE / VERY DENSE PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / CEDIUM PLAST	ות י שומשו א פו אכדור
DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD	(2:-5=0)
MOISTURE: DRY / SLIGHTLY MOIST / MOISD / WET (SATURATED) SUPER SATURATED DISCOLORATION STAINING OBSERVED (ES) NO EXPLANATION - ENTIRE TEST HOLE	ccosed
HC ODOR DETECTED YES! NO EXPLANATION - EXPLE TEST HOLE & DUM SAMPLE	The state of the s
CAMPIE TURE COMMENTE II DE DEC	
SAMPLE TYPE: (GRAB) / COMPOSITE - # OF PTS	BELOW TEST HOLE
ADDITIONAL COMMENTS: OPERATOR NOISATED BEORGER WAS ENCOUNTERED 2. BOSTOM. BEDROCK WAS OBSERVED & BLOW PIT ~12	
ADDITIONAL COMMENTS: OPERATOR INDICATED SEORCE WAS ENCOUNTERED 2.	
ADDITIONAL COMMENTS: OPERATOR INDICATED BEDIROLK WAS ENCOUNTERED Z. BOSTOM. BEDROCK WAS OBSERVED & BLOW PIT ~ 12	S' SE ST SEP. PIT
ADDITIONAL COMMENTS. OPERATOR INDICATED BEDROCK WAS ENCOUNTERED 2 BOSTOM. BEDROCK WAS OBSERVED & BLOW PIT ~ 12 FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMPLE I.D. LAB NO: WEIGHT (g) ml. FREON DILU	S' SE ST SEP. PIT
ADDITIONAL COMMENTS: OPERATOR INDICATED BEDROCK WAS ENCOUNTERED 2 BOSTOM: BEDROCK WAS OBSERVED & BLOW PIT ~ 12 FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMPLE I.D. LAB NO: WEIGHT (g) ml. FREON DILU O FT	TION READING CALC. ppm
ADDITIONAL COMMENTS. OPERATOR INDICATED BEDROCK WAS ENCOUNTERED 2 BOHOM. BEDROCK WAS DESCRICT & BLOW PIT ~ 12 FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMPLE I.D. LAB NO: WEIGHT (g) ml. FREON DILU O FT PERIMETER P	S' SE ST SEP. PIT
ADDITIONAL COMMENTS: OPERATOR INDICATED REDIRECT WAS ENCAUTERED 2 BORDON. BEDROCK WAS DESCRICT & BLOW PIT ~12 FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMPLE I.D. LAB NO: WEIGHT (g) ml. FREON DILU O FT OVM RESULTS	TION READING CALC. ppm PROFILE
ADDITIONAL COMMENTS: OPERATOR INDICATED BEDROCK WAS ENCOUNTERED 2 BOHOM. BEDROCK WAS DESERVED & BLOW PIT ~ 12 FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREON DILU O FT PIT PERIMETER P OVM RESULTS OVM RESULTS P. D. ~ 3' DOWN! SAMPLE INC. PIELD HEADSPACE PIO (ppm)	TION READING CALC. ppm PROFILE
ADDITIONAL COMMENTS: OPERATOR INDICATED BEDROCK WAS ENCOUNTERED 2 BOSTOM: BEDROCK WAS DESCRICED & BLOW PIT ~12 FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMPLE I.D. LAB NO: WEIGHT (g) mL. FREON DILU O FT PIT PERIMETER O OVM RESULTS SAMPLE FIELD HEADSPACE FIELD HEADSPACE FID (ppm) 1 @ 7 493 2 @	TION READING CALC. ppm PROFILE
ADDITIONAL COMMENTS: OPERATOR NOISEMED BEDROCK WAS ENCOUNTERED 2 BOHTOM. BEDROCK WAS DESCRICTED & BLOW PIT ~ 12 FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREON DILU O FT OVM PIT PERIMETER P OVM RESULTS SAMPLE FIELD HEADSPACE PID (ppm) 1 @ 7 493 2 @ 3 @ 4 86444	TION READING CALC. ppm PROFILE
ADDITIONAL COMMENTS: OPERATOR NOISEMED BEDROCK WAS ENCOUNTERED 2 BOHOM. BEDROCK WAS DESCRICT & BLOW PIT ~ 12 FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREON DILU O FT PIT PERIMETER P OVM RESULTS SAMPLE FIELD HEADSPACE PIO (ppm) 1 @ 7 493 2 @ 3 @ 4 @ 5 @ 3 !]	TION READING CALC. ppm PROFILE A' 20
ADDITIONAL COMMENTS: OPERATOR INDICATED BEDROCK WAS ENCOUNTERED 2 BOSTOM: BEDROCK WAS DESCRICED & BLOW PIT ~ 12 FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMPLE I.D. LAB NO: WEIGHT (g) ml. FREON DILU O FT PIT PERIMETER P OVM RESULTS SAMPLE FIELD HEADSPACE FIELD	TION READING CALC. ppm PROFILE
ADDITIONAL COMMENTS. CORRESPONDING ROCK WAS ENCANTERED 2 BOTTON. BEDROCK WAS DESCRICE & BLOW PIT ~ 12 FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREON DILU O FT PIT PERIMETER N OVM RESULTS SAMPLE NEW MEADSPACE PIO (ppm) 1 @ 7 4/93 2 @ 4 @ 5 @ 4 @ 5 @ 4 @ 5 @ 4 @ 5 @ 4 @ 5 @ 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7 & 7	TION READING CALC. ppm PROFILE A' BEOKOCK
ADDITIONAL COMMENTS. OPERATOR INDICATED BEOREM LAWS SASTEMED & BLOW PIT ~ 128 FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREON DILU O FT PIT PERIMETER N OVM RESULTS SAMPLE RELU HEADSPACE 10 7 493 2 6 3 6 3 6 3 7 1 6 7 493 2 7 2 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3	TION READING CALC. ppm PROFILE A 20 66,PM
ADDITIONAL COMMENTS. COPERTOR INDICATED BEDICER WAS EXCOUNTERED 2 BOTTOM. REDROCK WAS DESCRICT & BLOW PIT ~12 FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMPLE I.D. LAB NO: WEIGHT (g) ml. FREON DILU O FT PIT PERIMETER IN OVM RESULTS SAMPLE RECO HEADSPACE PIO (ppm) 1 @ 7	TION READING CALC. ppm PROFILE A' BEOKOCK
ADDITIONAL COMMENTS: OPERATOR INDICATED REDICAL LAWS ENCOUNTERED 2 BOTTON. BEDROCK WAS DESCRED & BLOW PIT ~ 12 FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREON DILU OFT PIT PERIMETER N OVM RESULTS SAMPLE PICO HEADSPACE PIO (ppm) 1 9 7 473 2 0 3 9 4 0 5 0 THAN 10 10 10 10 10 10 10 10 10 10 10 10 10	TION READING CALC. ppm PROFILE A' BEOKOCK
BORDITIONAL COMMENTS. COPERTOR INDICATE BEORGE WAS ENGANTERED 2 BORDITIONAL COMMENTS. COPERTOR INDICATED SERVED & BLOW PIT ~ 12 FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMPLE I.D. LAB NO: WEIGHT (g) IML. FREON DILLU O FT PIT PERIMETER IN OVM RESULTS SAMPLE PRO (ppm) 1 @ 7 4/93 2 @ 3 @ 4 @ 5 @ 3 1 1. TANK BERN TIME SAMPLES SAMPL	TION READING CALC. ppm PROFILE A' BEOKOCK
BODITIONAL COMMENTS: OPERATOR INDICATED BLOKER WAS EXCAUNTERED 2 BOTH REPORT OF THE SAMPLE I.D. LAB NO: WEIGHT (g) ML. FREON DILU OFT PIT PERIMETER IN OVM RESULTS SAMPLE INDICATED PROPRIED TO AND THE SAMPLES SAMPL	TION READING CALC. ppm PROFILE A' BEOKOCK
ADDITIONAL COMMENTS. COMME	TION READING CALC. ppm PROFILE SECRECK (SS)

revised: 02/27/02



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 7'	Date Reported:	07-29-02
Laboratory Number:	23423	Date Sampled:	07-25-02
Chain of Custody No:	9098	Date Received:	07-26-02
Sample Matrix:	Soil	Date Extracted:	07-26-02
Preservative:	Cool	Date Analyzed:	07-29-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	446	0.2
Diesel Range (C10 - C28)	460	0.1
Total Petroleum Hydrocarbons	906	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 Com E #161 Separator Pit Grab Sample.

Analyst C. Oyler

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 7'	Date Reported:	07-29-02
Laboratory Number:	23423	Date Sampled:	07-25-02
Chain of Custody:	9098	Date Received:	07-26-02
Sample Matrix:	Soil	Date Analyzed:	07-29-02
Preservative:	Cool	Date Extracted:	07-26-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Dannana	424	4.0
Benzene	421 693	1.8
Toluene		1.7
Ethylbenzene	450	1.5
p,m-Xylene	2,240	2.2
o-Xylene	951	1.0
	the first section of the section of	en e
Total BTEX	4,760	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	94 %
	1,4-difluorobenzene	94 %
	Bromochlorobenzene	94 %

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 Com E #161 Separator Pit Grab Sample.

Review

CLIENT: BP	1	INEERING, INC. OMFIELD, NM 87413	LOCATION NO: BIOZY	
	(505)	632-1199	C.D.C. ND: 11642	
FIELD REPORT:	LANDFARM/COM	POST PILE CLOSURI	E VERIFICATION	
		PM: NM CNTY: ST ST: NM	DATE STARTED. 1/12/04	
		FUNT (BEN) LOL (DAN)	ENVIRONMENTAL SPECIALIST:	
SOIL REMEDIATION: REMEDIATION SYSTEM: LAND USE: RANGE LIFT DEPTH (ft): 1-3				
FIELD NOTES & REMARKS: NMOCD RANKING SCORE: NMOCD TPH CLOSURE STD: _5000 PPM DEPTH TO GROUNDWATER: _>1000' NEAREST SURFACE WATER: _>1000'				
SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / DTHER BEDNACK FRAGMENTS SOIL COLOR: COHESION (ALL OTHERS): NON COHESIVE / ELIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): LODSE / 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 DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - SAMPLE PTS . O + (5) HC ODOR DETECTED: YES / NO EXPLANATION - SAMPLE PTS . O + (5)				
HC DDDR DETECTED: (ES) ND EXPLANATION - SAMPLE PTS TO HS SAMPLING DEPTHS (LANDFARMS): 6 - 30 (INCHES) SAMPLE TYPE: GRAB / COMPOSITO # OF PTS. S ADDITIONAL COMMENTS:				
SAMP. TIME SA		B.1 CALCULATIONS (q) mL. FREON DILUTION READI	NG CALC DOM	
		(3)		
SKETCH/SAMPI	LE LOCATIONS 4N			
0VM CALIB. READ. 53.0 ppm 0VM CALIB. GAS = 100 ppm; RF = 0.52 TIME: 12:30 am/pm DATE: 1/6/04				
	HEAD HEAD	OVM RESULTS SAMPLE FIELD MEADSPACE SAMPLE 10 PIO (ppm) 10	LAB SAMPLES	
BE	em / I T	1D PID (ppm) 1D	(80158) 1005 Z/460	
3 - 19. (D 20'			
WELL HEAD				
		P.C7/	52/05 2EB	
			z/03 0EHY	
TRAVEL NOTES: CALLOUT revised: 07/16/01	: NA	ONSITE: 1/12/04		
10,1000. 01/10/01		•	bei1006A.sko	



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Det.

Limit

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	01-13-04
Laboratory Number:	27511	Date Sampled:	01-12-04
Chain of Custody No:	11642	Date Received:	01-13-04
Sample Matrix:	Soil	Date Extracted:	01-13-04
Preservative:	Cool	Date Analyzed:	01-13-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	(mg/Kg)	(mg/Kg)
Gasoline Range (C5 - C10)	114	0.2
Diesel Range (C10 - C28)	2,350	0.1
Total Petroleum Hydrocarbons	2,460	0.2

ND - Parameter not detected at the stated detection limit.

References:

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

Concentration

SW-846, USEPA, December 1996.

Comments:

GCU Com E #161 Landfarm 5 Pt. Composite Sample.

Analyst C. Officer

(Mistine M Walter Review