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
1220 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

Pit or Below-Grade Tank Registration or Closure
Is nit or below-grade tank covered by a "general plan"? Yes 🔀 No

Type of action: Registration of a pit of	below-grade tank Closure of a pit or below-grade	tank 🔀
Operator: BP America Production Company Telephone	e: <u>(505)326-9200</u> e-mail address:	
Address: 200 Energy Ct, Farmington, NM 87401		
	045 10349 U/L or Qtr/Qtr H	Sec 29 T 31 NR 11 W
		NAD: 1927 ☐ 1983 🔀
Surface Owner: Federal State Private Indian		
Pit	Below-grade tank	
Type: Drilling   Production   Disposal	Volume: bbl Type of fluid: ∧ /	
Workover  Emergency	Construction material:	
Lined Unlined	Double-walled, with leak detection? Yes I If not,	explain why not
Liner type: Synthetic Thicknessmil Clay	V V	,,
Pit Volumebbl		
	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	No	$\sim$
water source, or less than 1000 feet from all other water sources.)	INO	( 0 points)
Distance to surface water: (horizontal distance to all wetlands, playas,	Less than 200 feet	(20 points)
	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		•
our are burying in place) onsite 🔀 offsite 🔲 If offsite, name of facility		
		π. and attach sample results.
5) Attach soil sample results and a diagram of sample locations and excavati	OIIS.	<del></del>
Additional Comments:		
See Attached Documentation		·
I hereby certify that the information above is true and complete to the best of	f my knowledge and helief. I further certify that the	shove described air on below and and
has been/will be constructed or closed according to NMOCD guidelines	A, a general permit , or an (attached) alternative	ve OCD-approved plan .
D	4	
Date: 11/01/2005  Printed Name/Title Jeffrey C. Blagg, Agent Signatu	re Jeffy C. Slegy	:
Printed Name/Title	re	
otherwise endanger public health or the environment. Nor does it relieve th regulations.	e operator of its responsibility for compliance with any	other federal, state, or local laws and/or
Approval: Printed Name/Title Printed Name/Title	Signature Boll Sell	Date: <b>JAN</b> 3 0 <b>2007</b>

	CLIENT: 8P	P.O. BOX			•	113	ATION NO:	10800
	FIELD REPORT	: PIT CL	OSURE	VERIF	CATIO	N PAG	E No:	of _(
Ī	LOCATION: NAME: HEATO	ک دح	WELL #:	4 TYPE	: 5EP.			4/23/03
ſ	QUAD/UNIT: H SEC: 29	TWP: 310 RNO	3: 1(W PM:	UM CNTY:5	ST: HM		FINISHED: _	
ļ	QTR/FOOTAGE:1650'P	42E 5	EINE CONTI	RACTOR: HOL	(EDGAR	ENVIR	RONMENTAL IALIST:	W
ı	EXCAVATION APPROX						AGE:	160
1	DISPOSAL FACILITY:	00-5178	<u> </u>	REMEDIA	TION METH	OD: _	LANDFR	RM
	LAND USE: RANGE -	Bun	LEASE:	<u> 2101809</u>	97	FORMAT	ION:	mV
I	FIELD NOTES & REMAR	KS: PIT LOC	ATED APPROX	KIMATELY/	FT.	573E	FROM	WELLHEAD.
1	DEPTH TO GROUNDWATER: >16	NEAREST W	ATER SOURCE:	>1000'	NEAREST S	URFACE WAT	ER:	1000'
ı	NMOCD RANKING SCORE:	NMOCD TPH	CLOSURE STD:	5000 P	РМ			
	SOIL AND EXCAVATION	N DESCRIPT	ION.		OVM CALIB.			
i	OOL AND EXORVATIO	TO DECORAL T	1011.		OVM CALIB.			RF = 0.52 4/23/03
	SOIL TYPE: SAND / SILTY SAN	ID / SILT / SILTY (	CLAY / CLAY /	GRAVEL / OTH		свигри	DATE.	1123.03
	SOIL COLOR: COHESION (ALL OTHERS): NON C				COHESIVE			
	CONSISTENCY (NON COHESIVE SO				CORESIVE			
	PLASTICITY (CTAYS): NON PLASTI				/ HIGHLY PLASTI	IC		
	DENSITY (COHESIVE CLAYS & SILT. MOISTURE: DRY / SLIGHTLY MOIS	MINET I SAT	HIDATED / SLIDE	PSATURATED		, ,	(200	25ED)
	DISCOLORATION/STAINING OBSER	VED: (TES) NO EXP	LANATION -	LT. TO MED.	GRAY BET.	4'-11'	BELOW 6	RADE.
	HC ODOR DETECTED: (ES) NO EX	· # OF PTS.						
,	ADDITIONAL COMMENTS: PIT BACKFILLED 3/27/03 FOR WORKOVER RIG TO COMPLETE OPERATION.							
	ORIGINAL PIT DIMENSIONS 15 X15 X3 ACCORDING TO PIT INVENTORY FIELD						E 0 1	V THE A
			nensions	15×15×3	ACCORDING	TO PIT	invental;	Y FIELD
	REP			15 × 15 × 3		TO PIT	inventar;	Y FIELD
		SRT.			ULATIONS			CALC. (ppm)
	REP.	SRT.	FI	ELD 418.1 CALC	ULATIONS			
	SCALE SAMP. TIN	ME SAMP. ID	FI	ELD 418.1 CALC	ULATIONS	DILUTION	READING	CALC. (ppm)
	SCALE SAMP. TIN	ME SAMP. ID	LAB NO.	WEIGHT (g)	ULATIONS	DILUTION		CALC. (ppm)
	SCALE SAMP. TIN  O FT  PIT PERIMET	ME SAMP. ID	LAB NO.	WEIGHT (g)  WM ADING	ULATIONS	DILUTION	READING	CALC. (ppm)
	SCALE SAMP. TIN  O FT  PIT PERIMET  WELL	ME SAMP. ID	LAB NO.  OREA SAMPLE	WEIGHT (g)  VM ADING FIELD HEADSPACE (ppm)	ULATIONS	DILUTION	READING	CALC. (ppm)
	SCALE SAMP. TIN  O FT  PIT PERIMET	ME SAMP. ID	LAB NO.  OREA SAMPLE ID 1 @ // 2 @	WEIGHT (g)  WM ADING  FIELD HEADSPACE	ULATIONS	DILUTION	READING	CALC. (ppm)
	SCALE SAMP. TIN  O FT  PIT PERIMET  WELL	ME SAMP. ID	LAB NO.  OREA SAMPLE ID 1 @ // 2 @ 3 @	WEIGHT (g)  VM ADING FIELD HEADSPACE (ppm)	ULATIONS	DILUTION	READING	CALC. (ppm)
	SCALE SAMP. TIN  O FT  PIT PERIMET  WELL	ME SAMP. ID	LAB NO.  OREA SAMPLE ID 1 @ // 2 @	WEIGHT (g)  VM ADING FIELD HEADSPACE (ppm)	ULATIONS mL FREON	PIT	READING	CALC. (ppm)
	SCALE SAMP. TIN  O FT  PIT PERIMET  WELL	ME SAMP. ID	COREA SAMPLE ID 1 @ // 2 @ 3 @ 4 @ 4	WEIGHT (g)  VM ADING FIELD HEADSPACE (ppm)	ULATIONS mL FREON	DILUTION	READING	CALC. (ppm)
	SCALE SAMP. TIME  O FT  PIT PERIMET  WELL HEAD	ME SAMP. ID	COREA SAMPLE ID 1 @ // 2 @ 3 @ 4 @ 4	WEIGHT (g)  VM ADING FIELD HEADSPACE (ppm)	ULATIONS mL FREON	PIT	READING	CALC. (ppm)
	SCALE SAMP. TIN  O FT  PIT PERIMET  WELL HEAD	ME SAMP. ID	COREA SAMPLE ID 1 @ // 2 @ 3 @ 4 @ 4	WEIGHT (g)  VM ADING FIELD HEADSPACE (ppm)	ULATIONS mL FREON	PIT	READING	CALC. (ppm)
	SCALE SAMP. TIME  OFT  PIT PERIMET  WELL  HEAD  T.H.  ~ 11'	ER N	LAB NO.  COREA SAMPLE ID 1 @ // 2 @ 3 @ 4 @ 5 @  LAB S	WEIGHT (g)  VM ADING FIELD HEADSPACE (ppm)	ULATIONS mL FREON	PIT	READING	CALC. (ppm)
	SCALE SAMP. TIN  O FT  PIT PERIMET  WELL HEAD	ER N	LAB NO.	WEIGHT (g)  WOM ADING FIELD HEADSPACE (ppm)  //8 9	ULATIONS mL FREON	PIT	READING	CALC. (ppm)
	SCALE SAMP. TIME  OFT  PIT PERIMET  WELL  HEAD  T.H.  ~ 11'	ER N	LAB SO	WEIGHT (g)  WOM ADING FIELD HEADSPACE (ppm)  //8 9	ULATIONS mL FREON	PIT	READING	CALC. (ppm)
	SCALE SAMP. TIME  OFT  PIT PERIMET  WELL  HEAD  T.H.  ~ 11'  8.6	ER N	LAB NO.  OREA SAMPLE ID 1 @ // 2 @ 3 @ 4 @ 5 @  LAB S. SAMPLE AI Deli TPH II BIS	WEIGHT (g)  WEIGHT (g)  VM ADING FIELD HEADSPACE (ppm)  //8 9  AMPLES VALYSIS TIME (80ISB) /022	ULATIONS mL FREON	PIT	READING	CALC. (ppm)
	SCALE SAMP. TIME  OFT  PIT PERIMET  WELL  HEAD  T.H.  ~ 11'	GRADE; B = BELOW	LAB NO.  OREA SAMPLE ID 1 @ // 2 @ 3 @ 4 @ 5 @  LAB S. SAMPLE AI Deli TPH II BIS	WEIGHT (g)  WEIGHT (g)  VM ADING FIELD HEADSPACE (ppm)  //8 9  AMPLES VALYSIS TIME (\$0158) /02.2  X(82(B) "	ULATIONS mL FREON	PIT	READING	CALC. (ppm)



## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 11'	Date Reported:	04-24-03
Laboratory Number:	25450	Date Sampled:	04-23-03
Chain of Custody No:	10800	Date Received:	04-23-03
Sample Matrix:	Soil	Date Extracted:	04-24-03
Preservative:	Cool	Date Analyzed:	04-24-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	403	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	403	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: Heaton LS #4 Separator Pit Grab Sample.

Analyst C. Och

Misting Walter Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865



## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 11'	Date Reported:	04-24-03
Laboratory Number:	25450	Date Sampled:	04-23-03
Chain of Custody:	10800	Date Received:	04-23-03
Sample Matrix:	Soil	Date Analyzed:	04-24-03
Preservative:	Cool	Date Extracted:	04-24-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Benzene	233	1.8	
Toluene	1,110	1.7	
Ethylbenzene	103	1.5	
p,m-Xylene	550	2.2	
o-Xylene	123	1.0	
Total BTEX	2,120		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98 %
	1,4-difluorobenzene	98 %
	Bromochlorobenzene	98 %

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:

Heaton LS #4 Separator Pit Grab Sample.

Analyst C. Ch

Mistane of Warters
Review

BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199  FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION  LOCATION NAME: MENTON S. WELLE Y. PITS. GOW SEP OUADUMIT: H. SEC. 29 TWP. 31N RNG, IND. PIKNIM CHTN'S T. ST. MAN OTRIFOOTAGE.  SOIL REMEDIATION: REMEDIATION SYSTEM: STOCKPILE APPROX. CUBIC YARDAGE: LIFT DEPTH (ft): MA  PIELD NOTES & REMARKS: DEPTH 10 GROUNDWAIGE PICTORY OF MEANEST SURFACE WATER PLOOD  NEAREST WATER SOURCE: Y. DOW NUCCORANKING SCORE: O. NMOCD THA CLOSURE STD. S. DOOD  NEAREST WATER SOURCE: YOU NO COHESIVE/SUGHTITY COHESIVE/CHISTIC COHESIVE/HIGHLY COHESIVE CONSISTENCY (NON COHESIVE/SOLGHTITY COHESIVE/SUGHTITY COHESIVE/CONSISTENCY (NON COHESIVE/SOLGHTITY COHESIVE/		The second secon	,			
LOCATION: NAME HIGHTON LS  WELL#: 4 PITS & WELL DATE STATED: 1/22/05  DATE STATED: 1/22/05  DATE STATED: 1/22/05  DATE FINISHED  STOCKPILG  APPROX. CUBIC YARDAGE:  LAND USE: ROMEC LIFT DEPTH (ft): MA  FIELD NOTES & REMARKS: DEPTH TO GROUNDWATER: PDD NEAREST SUPFACE WATER: PDD NOCO TPH CLOSURE STD. SOOL TYPE: SAND/STLTY SAND/SILT / SILTY CLAY / CLAY / CRAY /	CLIENT: BP	P.O. BOX 87, BLO	OMFIELD, NM 874	13		
QUADIUNIT: H SEC: 29 TWP: 31\(\times\) RNG: ((\times\) PMAM CNTY: \$\(\times\) T: MM  QTRIFOOTAGE: \$\(\times\) LONG CONTRACTOR:  SOIL REMEDIATION:  REMEDIATION SYSTEM: \$\(\times\) TOCKPILE  APPROX. CUBIC YARDAGE:  LIFT DEPTH (ft): \(\times\) A  FIELD NOTES & REMARKS: DEPIH TO GROUNDWATER: \$\(\times\) NEAREST SURFACE WATER: \$\(\times\) OOO'  NEAREST WATER SOURCE: \$\(\times\) OOO NMOCD RANKING SCORE: \(\times\) NMOCD THE CLOSURE STD: \$\(\times\) OOO PPM  SOIL TYPE: \$\(\times\) NON COHESIVE \$\(\times\) LIGHTLY COHESIVE) COHESIVE / HIGHLY COHESIVE  COHESION (ALL OTHERS): NON PLASTIC / SUIGHTLY COHESIVE) COHESIVE / HIGHLY COHESIVE  CONSISTENCY (NON COHESIVE SOILS): \$\(\times\) OOSBAFTED DENSE / VERY DENSE  PLASTICITY (CHAYS): NON PLASTIC / SUIGHTLY PLASTIC / COHESIVE / HEDIUM PLASTIC / HIGHLY PLASTIC  DENSHTY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD  MOISTURE: DRY / \$\(\times\) GIGHTLY MOISTY M	FIELD REPORT: LA	NDFARM/COMPOST P	ILE CLOSURE VE	RIFICA	TION	
SOIL REMEDIATION: REMEDIATION SYSTEM: LAND USE: LAND USE: LAND USE: LAND USE: LAND WARREST SURFACE WATER: PIELD NOTES & REMARKS: DEPTH TO GROUNDWATER: PIELD NOTES & REMARKS: PIELD NOTES & PARKSTON NOTES &		9 TWP: 312 RNG: 1(W)	PM: UM CNTY: 57 ST	·NM	DATE FINISHED:	
REMEDIATION SYSTEM:  LAND USE:  LAND USE:  LAND USE:  LIFT DEPTH (ft):  MA  FIELD NOTES & REMARKS:  DEPTH TO GROUNDWATER:  MEAREST WATER SOURCE:  MEAREST SURFACE WATER:  MEAREST SURFACE W	QTR/FOOTAGE:	SEINE CONTR	RACTOR:		SPECIALIST:	$NV_{}$
NEAREST WATER SOURCE: >/ 000 NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM  SOIL TYPE: SAND/SILTYSAND/SILT/SILTY CLAY/CLAY/GRAVEL/OTHER SOIL COLOR: 0K. YEAL. SCOULD: COHESION (ALL OTHERS): NON COHESIVE/SLIGHTLY COHESIVE/COHESIVE/COHESIVE/COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): COSE/CFR/D DENSE / VERY DENSE PLASTICITY (BLAYS): NON PLASTIC / SLIGHTLY PLASTIC / DENSIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENGHTY/COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD MOISTURE: DRY/SLIGHTLY MOIST) (MOIST) WET / SATURATED / SUPER SATURATED  DISCOLORATION/STAINING OBSERVED: YES (NO) EXPLANATION - HC ODOR DETECTED: YES (NO) EXPLANATION - HC ODOR DETECTED: YES (NO) EXPLANATION - SAMPLING DEPTHS (LANDFARMS): 1/A (INCHES)  SAMPLE TYPE: GRAB (COMPOSITE) # OF PTS. 5  ADDITIONAL COMMENTS:  OVM CALIB. READ. = 57.4 ppm OVM CALIB. GAS = 1/20 ppm RF = 0.52 TIME: 7:1/2 @DIDM DATE: 7/L0/05  OVM CALIB. GAS = 1/20 ppm RF = 0.52 TIME: 7:1/2 @DIDM DATE: 7/L0/05  OVM RESULTS LAB SAMPLES  BAMPLE PREDIGENCE   MALYSIS TIME RESULTS   SP-( 0,0 SP-( (80158)) 850 ND)	REMEDIATION SYSTEM				AGE:	
SOIL COLOR:  OK. YELL. BROWN  COHESION (ALL OTHERS): NON COHESIVE (SLIGHTLY COHESIVE) COHESIVE / HIGHLY COHESIVE  CONSISTENCY (NON COHESIVE SOILS): LOOSE (FRM) DENSE / VERY DENSE  PLASTICITY (CHAYS: NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / HEDIUM 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-  HC ODOR DETECTED: YES (NO) EXPLANATION-  SAMPLING DEPTHS (LANDFARMS):  ADDITIONAL COMMENTS:  SKETCH/SAMPLE LOCATIONS  NT. W Y - ( (AUG))  OVM CALIB. READ = 57.9 ppm RF = 0.52  TIME: 71/0 @DIPM DATE: 7/20/05  OVM RESULTS  LAB SAMPLES  SAMPLE TRELIPENDAMPLES  NO THE SAMPLE TRELIPENDAMPLES  SAMP	NEAREST WATER SOURCE: >/	NMOCD RANKING SC	ORE: O NMOC			
OVM CALIB. READ. = 33.9 ppm RF = 0.52  TIME: 7:10 @ID/pm DATE: 7/20/05  OVM RESULTS  LAB SAMPLES  SAMPLE FIELD HEADSPACE (ppm)  SP-1 0.0 SP-( (80158) 0850 ND)	SOIL COLOR:  COHESION (ALL OTHERS): NO CONSISTENCY (NON COHESIV PLASTICITY (CLAYS): NON PLA DENSITY (COHESIVE CLAYS & MOISTURE: DRY / SLIGHTLY M DISCOLORATION/STAINING OB HC ODOR DETECTED: YES / N SAMPLING DEPTHS (LANDFARI SAMPLE TYPE: GRAB (COMP	M COHESIVE / SLIGHTLY COHESE SOILS): LOOSE / FIRM DENSI ASTIC / SLIGHTLY PLASTIC / COI SILTS): SOFT / FIRM / STIFF / VE NOIST / MOIST / WET / SATURATE SERVED: YES (NO EXPLANATION - MS):/A (INCHES)	SIVE) COHESIVE / HIGHLY E / VERY DENSE HESIVE / MEDIUM PLASTIC ERY STIFF / HARD ED / SUPER SATURATED		PLASTIC	DSED
SAMPLE PT.  JESIGNATION  153, NZTE  P.C 4/23/03  FROM  SCALE  HEAD  HEAD	SAMPLE PT.  JESIGNATION	STOCKPINE  STOCKPINE  PERIMETER  PERIMETER  PERIMETER  FROM  153, N Z7E  FROM	OVM CALIB. GAS = TIME: 7:10 @D  OVM RESULTS  BAMPLE FIELD MEADSPACE (ppm)  SP-1 0.0	PD/PM DATE  BAMPLE ID  SP-(	PM RF = 0.52  7/20/05  LAB SAMPLE  ANALYSIS TIME  TPH (80158) 0850	RESULTS

FT

ONSITE:

7/22/05

TRAVEL NOTES: CALLOUT:

NA



## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

	DI/DD	5	
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	SP - 1	Date Reported:	07-28-05
Laboratory Number:	33832	Date Sampled:	07-22-05
Chain of Custody No:	13918	Date Received:	07-25-05
Sample Matrix:	Soil	 Date Extracted:	07-27-05
Preservative:	Cool	Date Analyzed:	07-28-05
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)	ND	0.1
Total Petroleum Hydrocarbons	ND	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:

Heaton LS #4 Stockpile 5 Pt. Composite Sample.

Analyst C. Comment

Mister Mulater Review