<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District III
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

RCUD MAR20'07

OIL CONS. DIV.

Form C-144

March 12, 2004

Pit or Below-Grade Tank Registration or Closure

	vered by a "general plan"? Yes 🔀 No w-grade tank 🔲 Closure of a pit or below-gra			
Operator:BP AMERICA PROD. CO.	Telephone:(505) 326-9200)		
Address: 200 Energy Court, Farmington, 1	NM 87410			
Facility or well name: HUGHES #4E	API #: 30-045-25191 U/L or Qtr/	Qtı P Sec 29 T 29N R 8W		
County: San Juan Latitude 36.69222 Longitude 107.6	69438 NAD: 1927 ☐ 1983 ☑ Surface O	owner Federal ⊠ State ☐ Private ☐ Indian ☐		
Pit Type: Drilling ☐ Production ☒ Disposal ☐ PRODUCTION TANK Workover ☐ Emergency ☐ Lined ☐ Unlined ☒ Liner type: Synthetic ☐ Thicknessmil Clay ☐ Volumebbl	Below-grade tank	If not, explain why not.		
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points)		
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) (0 points)		
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points)		
	Ranking Score (Total Points)	0		
f 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: onsite ☑ offsite ☐ If offsite, name of facility (3) Attach a general description of remedial action taken including remediation start date and one date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surfaceft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.				
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:				
Approval: MAR 2 0 2007 Date:	1 - 1/1	•		
Printed Name/Title Signature Signature				

PAGE Z OF 3

CLIENT: BP P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 COCR NO. 11839 FIELD REPORT: PIT CLOSURE VERIFICATION PAGE NO: 1 of 1 LOCATION: NAME: Higher Well # HE Type Production of the standard 2-12-04 MILE PRODUCTION: OF THE STANDARD STANDA		70				NEERING	•	LOC	ATION NO:	31335
DOCATION: NAME: HUGHES. WELLE 4/E TYPE PRODUCTION ONT STARTED 2-12-04 QUADRUMT: P SEC: 29 TWP. 29 MRN 29 MP. M. M. CNTY: S.J. S.M. QUADRUMT: P SEC: 29 TWP. 29 MRN 29 MP. M. M. CNTY: S.J. S.M. QTHEODIAGE 30 S 1905 SELSE CONTRACTOR: FLINT (BEAL) SPECIALIST: MA REMEDIATION METHOD: LEASE: S.F. O 73 046 FORMATION: D.K. LAND USE: RAN 4E - 8/M. LEASE: S.F. O 73 046 FORMATION: D.K. LAND USE: RAN 4E - 8/M. LEASE: S.F. O 73 046 FORMATION: D.K. FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY LIT 7 FT. S.36/M. FROM WELLHEAD. DEPTH TO GROUNDWATER: J.D.D. NEAREST WATER SOURCE: 2000 NANCED RANKES SCORE: D. NICOTIFIC LOSSINE STD: SOUR CALLS READ: 72.7 DBM SOIL AND EXCAVATION DESCRIPTION: SOIL AND EXCAVATION DESCRIPTION: SOIL TYPE (SAND) SILTY SAND / SILTY SILTY CLAY / CLAY / GRAVEL 10 THER FLOWARD BEACH STORES AND SOURCE SOURCES AND SILTY SILTY CLAY / GRAVEL 10 THER FLOWARD BEACH SILVE AND SOURCE SOURCES AND SILTY SILTY CLAY / GRAVEL 10 THER FLOWARD BEACH SILVE AND SOURCE	CLIENT:	<u> </u>			•		, IN IVI 0 / 4	l l	R NO:	11839
QUADRINIT P SEC 29 TWP 29 ARIS 8W PM AM CRY 5J ST AM OTRIFOOTAGE 930 S 90 E SE SE CONTRACTOR: FAILT (BEN) OTRIFOOTAGE 930 S 90 E SE SE CONTRACTOR: FAILT (BEN) DISPOSAL FACILITY: WA REMEDIATION METHOD. CLOSE SAID SITE STORY OF THE STUDY OF	FIELI	FIELD REPORT: PIT CLOSURE VERIFICATION PAGE No: _ i _ of _ i								
SOIL TYPE: SAND SILTY SAND / SILTY SAND / SILTY SAND / SILTY COHESIVE / LONG SOIL SOIL ORESIVE CLASSE SOIL SOLONATION STAND SILTY SAND / SAND / SAND / SILTY SAND /	3									
DISPOSAL FACILITY: WA REMEDIATION METHOD: CAUSE AS 15 LAND USE: RANGE - 8-VM LEASE: PIT LOCATED APPROXIMATELY 147 PIT S 36 W FROM WELLHEAD. DEPTH TO GROUNDWATER: JULY NEAREST WATER SOURCE: NMOCD PHOLOGURE STD: SOIL AND EXCAVATION DESCRIPTION: SOIL AND EXCAVATION DESCRIPTION: SOIL TYPE: SAND: SILTY SAND:	a ————		, ,	7) ENVIR	ONMENTAL ALIST:	FCB
DISPOSAL FACILITY: A REMEDIATION METHOD: LEASE: SPOTBOTIC FORMATION: DEPTH TO GROUNDWATER: JULY NEAREST WATER SOURCE: NEAREST SURFACE WATER NEAREST SURFACE WATER NEAREST SURFACE WATER NOW CALIB. READ: SOIL AND EXCAVATION DESCRIPTION: OVM CALIB. READ: NOW CALIB. READ: OVM CALIB. READ: SOIL TYPE: SOIL T	EXCAVA								AGE:	0
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 147 FT. 538 FROM WELLHEAD. DEPTH TO GROUNDWATER: 2100 NEAREST WATER SOURCE: 2000 NEAREST SURFACE WATER: 21000 NEAREST WATER SOURCE: 2000 NEAREST SURFACE WATER: 21000 NEAREST WATER SOURCE: 2000 NEAREST NEAREST WATER SOURCE: 2000 NEAREST NEAREST NEAREST NEAREST NEA	a • ·								LOSE A	15 15
DEPTH TO GROUNDWATER: >10.0 NEAREST WATER SOURCE: >10.0 NEAREST SURFACE WATER: >10.0 NMOCD THAT CLOSURE STD: \$0.0 O PPM SOIL AND EXCAVATION DESCRIPTION: OVM CALIB READ = 52.7 ppm OVM CALIB READ = 10.0 ppm OVM CALIB READ = 10.										
NMOCD TRANCING SCORE: ON MOCD TRANCING SCORE: O NMOCD TRANCISCORE STD: SOO O PPM	 		 			<u> </u>			=	5
SOIL AND EXCAVATION DESCRIPTION: OVM CALIB. READ. = 52.7 ppm RF = 0.52 THE (322 am/pm DATE: 2-12-04) SOIL TYPE: (SAND) SILTY SAND / SILTY SILTY CLAY / CLAY / GRAVEL / OTHER FIRM REDIQUES S. S. G. 41 Go- COHESION (ALL OTHERS) NON COHESIVE, SILIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE S. S. G. 41 Go- CONSISTENCY (NON COHESIVE SOILS) (2008) FIRM / SINT / DENSE / VERY DENSE SOILS (2008) FIRM / SINT / PLASTIC! CHESIVE / PLASTIC! SULGHTLY PLASTIC! CHESIVE / PLASTIC! SULGHTLY PLASTIC! CHESIVE / PLASTIC! SULGHTLY PLASTIC! CHESIVE / HIGHLY PLASTIC DENSITY (COHESIVE GLAYSE SULTS): SOFT / FIRM / SINT / VERY SINT / GRAVE AND STORE DENSITY (COHESIVE GLAYSE SULTS): SOFT / FIRM / SINT / VERY SINT / GRAVE AND STORE DENSITY (COHESIVE GLAYSE SULTS): SOFT / FIRM / SINT / VERY SINT / GRAVE AND STORE DENSITY (COHESIVE GLAYSE SULTS): SOFT / FIRM / SINT / VERY SINT / GRAVE AND STORE DISCOLORATION ISTAMBING OBSERVED. YES (60) EXPLANATION. HO ODOR DETECTED (YES) NO EXPLANATION. SAMPLE TYPE: GRAP COMPOSITE : 0 OF TS. ADDITIONAL COMPOSITE : 0 OF TS. ADDITIONAL COMPOSITE : 0 OF TS. BALLET ST. J. J. BALLHOIS TO DID TEST TREATH. HIT PLANE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm) OF T PIT PERIMETER PIT PROFILE PIT PROFILE LAB SAMPLES SAMPLE TREE ON DILUTION READING CALC. (ppm) A 10 A 10 LAB SAMPLES SAMPLE TREE ON DILUTION READING CALC. (ppm) LAB SAMPLES SAMPLE TREE ON DILUTION READING CALC. (ppm) LAB SAMPLES SAMPLE TREE NOVE - AND STORE BALLET THE CALCULATIONS SOURCE SAMD STORE SAMPLE TREE THOLE - AND STORE LAB SAMPLES SAMPLES TREE ON DILUTION READING CALC. (ppm) A 10 LAB SAMPLES SAMPLES TREE NOVE - AND STORE BALLET TREE THOLE - AND STORE CHARLET THE STORE - AND STORE CHARLET TREE THOLE - AND STORE BELOW GRADES B	Ħ							URFACE WAT	ER:	
SOIL TYPE: SAND/ SILTY SAND / SILTY CLAY / CLAY / CLAY / GRAVEL / OTHER FIRM BEDVACE S.S. Q. 4 \$ GO- COMESION (ALL OTHERS); MON COMESIVE SOILS; (COSE) FIRM / DENSE / VERY DENSE SAND CONSISTENCY (NON COMESIVE SOILS; (COSE) FIRM / DENSE / VERY DENSE SAND CONSISTENCY (NON COMESIVE SOILS; (COSE) FIRM / DENSE / VERY DENSE SAND CONSISTENCY (NON COMESIVE SOILS; (COSE) FIRM / DENSE / VERY DENSE SAND CONSISTENCY (NON COMESIVE SOILS; (COSE) FIRM / DENSE / VERY DENSE SAND CONSISTENCY (NON COMESIVE SOILS; (COSE) FIRM / DENSE / VERY DENSE SAND: TO ME CONSISTENCY (NON COMESIVE SOILS; (COSE) FIRM STIFF / (VERY S							OVM CALIB. I			
SOIL TYPE: (SAND) SILTY SAND / SILTY SAND / SILTY CLAY / CRAY / CRAY / CRAY / COHESIVE / CHESIVE / COHESIVE /	SOIL AI	ND EXC	AVAIIO	1 DESCRIP I	ION.				, · ·	0
CONSISTENCY (NON COHESIVE) SUIGHTLY COHESIVE / LIGHTY COHESIVE / LIGHTY COHESIVE - SAND PLASTICITY (CLAYS): NON PLASTIC / SUIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF (MARD) SAND TO ME MOISTURE: BY SUIGHTLY MOIST MOIST / WET / SATURATED DISCOLORATION: STANDING OBSERVED: YES / GO DERPLANATION - HC ODOR DETECTED (TES) NO EXPLANATION: VERY / STANDATED DISCOLORATION: STANDING OBSERVED: YES / GO DERPLANATION - HC ODOR DETECTED (TES) NO EXPLANATION: VERY / MURC. SAMPLE TYPE (GRAD COMPOSITE - 8 OF PTS. ADULIDANAL COMMENTS: DAVIS SANDSTONE C 44 SE STOOM FILED 418.1 CALCULATIONS SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm) OF FI N PIT PERIMETER OVM READING SAMPLE FIELD HEADSPACE 10 A 10 LAB SAMPLES SANDSTONE SANDSTONE A 10 PLOT DEPRESSION B. G BELOW GRADE: B - BELOW (H TEST HOLE APPROX; T. B TANK BOITOM)	SOIL TYPE:	SAND/	SILTY SANI	SILT / SILTY	CLAY / CLAY /	GRAVEL / OTH				
CONSISTENCY (NON COHESIVE SOILS) (LOOSE / FIRM / DENSE / VERY DENSE - 32 ND PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC BOISTUY (COHESIVE CLAYSE SILTS): SOFT / FIRM / STIFF / VERY STIFF / MERCY - SAUDE - SAUD					COHESIVE / CO	HESIVE / HIGHLY	COHESIVE <	5.4.v/\	<u> </u>	
DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF (MARQ) SAMINITORIED MOISTURE: DRY SILGHTLY MOIST) MOIST WET SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: YES (MC) EXPLANATION. HIC ODOR DETECTED (YES) NO EXPLANATION: HIC ODOR DETECTED (YES) NO EXPLANATION: WERE MUCC. SAMPLE TYPE (GRAB) COMPOSITE: 10 PT PT. ADDITIONAL COMMENTS: BED ALS SAMPLED FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION/READING CALC. (ppm) OA FT NOT PIT PERIMETER OVM READING SAMPLE FIELD HEADSPACE (10 4/2 55 20 4/3 77 30 4/4 6/4 30 4/2 10 4/2 SAMPLES S	CONSISTENC	CY (NON CO	OHESIVE SOI	LS): LOOSE / FIRM	/ DENSE / VERY	DENSE 👄	AND			
DISCOLORATIONISTANING OBSERVED. YES / MOD EXPLANATION. HC ODOR DETECTED (FE) NO EXPLANATION. YEAR MING. SAMPLE TYPE: GRAP COMPOSITE - # OF PTS. ADDITIONAL COMMENTS: EACHER P.T. USE BACKHOE TO DIG TEST TRENCH. HIT BEDROCK BEDROCK SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm) OA FT A PIT PERIMETER OVM READING SAMPLES FIELD 418.1 CALCULATIONS PIT PROFILE OVM READING SAMPLES FIELD HEADSPACE (ppm) 10 A 10 A 10 A 10 A 10 A A A A A A A A A A A A A	DENSITY (CO	HESIVE CL	LAYS & SILTS	: SOFT / FIRM / ST	IFF / VERY STIFF	HARD				
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FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm) OFT N PIT PERIMETER OVM READING SAMPLE FIELD HEADSPACE (ppm) 1@ 4½ 55 2@ 4½ 77 3@ 4½ 64 4@ 50 LAB SAMPLES SAMPLE ANALYSIS TIME 2½ TH LAB SAMPLES SAMPLE ANALYSIS TIME 2½ TH LAB SAMPLES SAMPLE ANALYSIS TIME 2½ TH THEST HOLE: APPROX; T.B. = TANK BOTTOM	ADDITIONAL	COMMENT	COMPOSITE S:	HOF PTS. P.T.	- USE B.	ACKHOE 7	0 DIG	Test	RENCH.	HIT
SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm) OFT PIT PERIMETER PIT PROFILE SAMPLE FIELD HEADSPACE (ppm) 10 42 79 30 45 04 40 50 0	BOIL	ork	DE.	NSE SAND	STONE @	44 BE				·
A 10 SAMP. IIME SAMP. ID LAB NO. WEIGHT (g) INL FREON DILUTION READING CALC. (ppm) Of FT OVM READING SAMPLE FIELD HEADSPACE (ppm) 1	2041	···			FIE	ELD 418.1 CALC	ULATIONS			· · · · · · · · · · · · · · · · · · ·
PIT PERIMETER OVM READING SAMPLE FIELD HEADSPACE [Opm] 1	SCAL	. L	SAMP. TIM	E SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)
A 10	0,	FT								
READING SAMPLE FIELD HEADSPACE (JOPM) 1 @ 4½ 555 2 @ 4½ 79 3 @ 4½	L A F	PIT PE	RIMET	ĒR		J		PITF	ROFIL	E
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1 @ 4/2 55 2 @ 4/4 79 3 @ 4/5 64 4 @ 5 @ A 4 @ 5 @ A 4 @ 5 @ A 4 &				~~	SAMPLE	FIELD HEADSPACE				
A 10				Y FD		55				
A 10 A LAB SAMPLES SAMPLE ANALYSIS TIME (2) M43 TPM (225) CH. = TEST HOLE; ~= APPROX.; T.B. = TANK BOTTOM TRAVEL NOTES: TRAVEL NOTES:			0		3@45	 		10	,	
21/2 LAB SAMPLES SAMPLE ANALYSIS TIME 2) FIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW THE TEST HOLE; ~ = APPROX; T.B. = TANK BOTTOM TRAVEL NOTES:										*
LAB SAMPLES SAMPLE ANALYSIS TIME 2.0. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM T.D. AVEL MOTES:	A 10		ا (ک	1 4						A
LAB SAMPLES SAMPLE ANALYSIS TIME 2) F. J. PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM TRAVEL NOTES:						· · · · · · · · · · · · · · · · · · ·	7 22 下			44
SAMPLE ANALYSIS TIME 2) RIGHT TOWN 1225 CO. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW THAT IS HOLE; ~ = APPROX.; T.B. = TANK BOTTOM TRAVEL NOTES:										
PASSED O ANALYSIS TIME (2) FULLS TOM 1225 DEDROCK SANDSTONE O ANALYSIS TIME (1) ANALYSIS TIME (2) FULLS TOM DEDROCK SANDSTONE O ANALYSIS TIME (2) FULLS TOM DEDROCK SANDSTONE	SAMPLE ANALYSIS THE									
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T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM	PASSED									
TRAVEL MOTES.	P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW F.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM									
CALLOOT. 2710 01 1203			CALLOUT:	- / /:	1500	ONSITE:	2/12/04	/2c	5	



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

.	5	-	
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	2 @ 4½'	Date Reported:	02-14-04
Laboratory Number:	27833	Date Sampled:	02-12-04
Chain of Custody No:	11839	Date Received:	02-12-04
Sample Matrix:	Soil	Date Extracted:	02-13-04
Preservative:	Cool	Date Analyzed:	02-14-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	319	0.2
Diesel Range (C10 - C28)	275	0.1
Total Petroleum Hydrocarbons	594	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:

Hughes 4E Prod. Pit.

Analyst

(Review Marter