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

March 12, 2004

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 \(\sum \) Closure of a pit or below-grade tank \(\sum \)			
Operator: BP AMERICA PROD. CO.		RCVD APR10'07	
Address: 200 Energy Court, Farmington, NM 87410 OIL CONS. DIV. DIST. 3			
Facility or well name: WILCH A #4E	API #:		
County: San Juan Latitude 36.69382 Longitude 107.63433 NAD: 1927 ☐ 1983 ☑ Surface 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 Volume:bbl Type of fluid: Construction marginal Double-walled with teak defection? / es	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	
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. onsite offsite offsite, name of facility (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No offsite offsite, show depth below ground surface ft. 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 Date: AUG 0 9 2007 Printed Name/Title Deputy Oil & Gas Inspector, Signature BAD M District #3 PAGE 3 OF 4			

A .	BLAG	GG ENGINEERING	. INC.	LOCATION NO 81341
CLIENT BP		87. BLOOMFIELD	•	LOCATION NO
CLIENT		•	, WINI 0 / 41	
		(505) 632-1199		COCR NO: 11664
	שיר ישימות בי ישימות ב	רקע מערקע איים מעודער		NT · · /
THELD REPO	DRI: PII CL	OSURE VERIF	CALLU	$f N$ PAGE No: $_/_$ of $__/$
		***		-11
LOCATION: NAME: W	men A	WELL# 45 TYPE	PROD TANK	DATE STARTED 2/23/04
		G 8W PM: NV CNTY S		DATE FINISHED
				ENVIRONMENTAL
QTR/FOOTAGE: / 550	2/812,M N	WISW CONTRACTOR LOL	- (BLIAN)	SPECIALIST VV
		NA FT. X NA FT		
DISPOSAL FACILITY:	27-21	TE REMEDIA	TION METHO	D: <u>Crose 42 12</u>
LANDUSE RANG	= - Bum	LEASE: 57- 078	416A	FORMATION: DK
FIELD NOTES & RE	FII LOO			587E FROM WELLHEAD.
DEPTH TO GROUNDWATER	>100 NEAREST W	ATER SOURCE >/>>>	NEAREST SU	RFACE WATER
N .		CLOSURE STD 5000 PE		-
NMOCH RANKING SCORE	NMOCD IPH	CLUSURE SID PI		
SOIL VAID EVOV	ATION DESCRIPT	ION:		EAD = <u>51.9</u> ppm
SOIL AND EXCAV	ATION DESCRIPT	ION.	OVM CALIB. G	AS = 100 ppm RF = 0.52
			TIME: 10:10	@m/pm DATE: 2/20/04
SOU TYPE SAND / ST	TV SAND/ SILT / SILTY	CLAY) CLAY / GRAVEL / OTH		
SOIL COLOR	OLL / OLL /	SEAT / STAVEE / STATE	- N DEDICO	c cornec)
	NON COHESIVE / SLIGHTLY	COHESIVE COHESIVE HIGHLY	COHESIVE	
CONSISTENCY (NON COHES				
1		IC COHESIVE MEDIUM PLASTIC	I NICHI V DI ACTIC	
2		The same of the sa	/ AIGHLT PLASTIC	
DENSITY (COHESIVE CLAYS				(CIOSED)
,		URATED / SUPER SATURATED		
DISCOLORATION/STAINING				- 14-44-4
HC ODOR DETECTED (FES)		n sample only		
SAMPLE TYPE GRAB/ COM	MPOSITE - # OF PTS			
			O=	
				K-SOFT TO HARD FRIABLE.
		FURATED FROM RECENT		
BEDRACK		FURATED EROWN RECENT	PKECIPITA	
BEDROCK BOTTOM			PKECIPITA	
SCALE SCALE		FURATED EROWN RECENT	ULATIONS	
SCALE SEDRACK	SOIL MOISTURE SAT	FIELD 418.1 CALC	ULATIONS	715,7
SCALE SAN	SOIL MOISTURE SAT	FIELD 418.1 CALC	ULATIONS	715,7
SCALE SAM	AP. TIME SAMP. ID	FIELD 418.1 CALC LAB NO. WEIGHT (g)	ULATIONS	DILUTION READING CALC. (ppm)
SCALE SAN	AP. TIME SAMP. ID	FIELD 418.1 CALC LAB NO. WEIGHT (g)	ULATIONS	715,7
SCALE SAM	AP. TIME SAMP. ID	FIELD 418.1 CALC LAB NO. WEIGHT (g) OVM	ULATIONS	DILUTION READING CALC. (ppm)
SCALE SAN O FT PIT PERI	METER	FIELD 418.1 CALC LAB NO. WEIGHT (g)	ULATIONS	DILUTION READING CALC. (ppm)
SCALE SAN O FT PIT PERI	AP. TIME SAMP. ID	FIELD 418.1 CALC LAB NO. WEIGHT (g) OVM READING SAMPLE FIELD HEADSPACE	ULATIONS	DILUTION READING CALC. (ppm)
SCALE SAN O FT PIT PERI	AP. TIME SAMP. ID METER	FIELD 418.1 CALC LAB NO. WEIGHT (g) OVM READING SAMPLE FIELD HEADSPACE (ppm)	ULATIONS	DILUTION READING CALC. (ppm)
SCALE SAN O FT PIT PERI	AP. TIME SAMP. ID METER	FIELD 418.1 CALC LAB NO. WEIGHT (g) OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 @ 3.5 / / 40. 4	ULATIONS	DILUTION READING CALC. (ppm)
SCALE SAM O FT PIT PERI	METER	FIELD 418.1 CALC LAB NO. WEIGHT (g) OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 @ 3.5 / 492.49 2 @	ULATIONS	DILUTION READING CALC. (ppm)
SCALE SAN O FT PIT PERI	AP. TIME SAMP. ID METER	FIELD 418.1 CALC LAB NO. WEIGHT (g) OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 @ 3.5 / 190.49 2 @ 3 @	ULATIONS	DILUTION READING CALC. (ppm)
SCALE SAM O FT PIT PERI	METER	FIELD 418.1 CALC LAB NO. WEIGHT (g) OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 @ 3.5 / 190.49 2 @ 3 @ 4 @	ULATIONS	DILUTION READING CALC. (ppm)
SCALE SAN O FT PIT PERI	METER	FIELD 418.1 CALC LAB NO. WEIGHT (g) OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 @ 3.5 / 190.49 2 @ 3 @	ULATIONS mL FREON I	DILUTION READING CALC. (ppm) PIT PROFILE
SCALE SAN O FT PIT PERI TO WELL HEAD	METER	FIELD 418.1 CALC LAB NO. WEIGHT (g) OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 @ 3.5 / 190.49 2 @ 3 @ 4 @	ULATIONS mL FREON I	DILUTION READING CALC. (ppm)
SCALE SAM O FT PIT PERI TO WELL HEAD	AP. TIME SAMP. ID METER ROD. ANK SEE SEE SEE SEE SEE SEE SEE S	FIELD 418.1 CALC LAB NO. WEIGHT (g) OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 @ 3.5 / 190.49 2 @ 3 @ 4 @	ULATIONS mL FREON I	DILUTION READING CALC. (ppm) PIT PROFILE
SCALE SAN O FT PIT PERI TO WELL HEAD	AP. TIME SAMP. ID METER ROD. ANK SEE SEE SEE SEE SEE SEE SEE S	FIELD 418.1 CALC LAB NO. WEIGHT (g) OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 @ 3.5 / 190.49 2 @ 3 @ 4 @	ULATIONS mL FREON I	DILUTION READING CALC. (ppm) PIT PROFILE
SCALE SAN O FT PIT PERI TO WELL HEAD	AP. TIME SAMP. ID METER ROD. ANK SEE SEE SEE SEE SEE SEE SEE S	FIELD 418.1 CALC LAB NO. WEIGHT (g) OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 @ 3.5 / 190.49 2 @ 3 @ 4 @	ULATIONS mL FREON I	DILUTION READING CALC. (ppm) PIT PROFILE
SCALE SAN O FT PIT PERI TO WELL HEAD	AP. TIME SAMP. ID METER ROD. ANK SEE SEE SEE SEE SEE SEE SEE S	FIELD 418.1 CALC LAB NO. WEIGHT (g) OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 @ 3.5 / / 40. 4 2 @ 3 @ 4 @ 5 @ 5	ULATIONS mL FREON I	DILUTION READING CALC. (ppm) PIT PROFILE
SCALE SAN O FT PIT PERI TO WELL HEAD	AP. TIME SAMP. ID METER ANK SECONDA ANK	FIELD 418.1 CALC LAB NO. WEIGHT (g) OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 @ 3.5 / 140 4 2 @ 3 @ 4 @ 5 @ LAB SAMPLES	ULATIONS mL FREON I	DILUTION READING CALC. (ppm) PIT PROFILE
SCALE SAN O FT PIT PERI TO WELL HEAD T2 1.0.	METER PA	FIELD 418.1 CALC LAB NO. WEIGHT (g) OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 @ 3.5 / 140 4 2 @ 3 @ 4 @ 5 @ 5 @ LAB SAMPLES SAMPLE ANALYSIS TIME	ULATIONS mL FREON I	DILUTION READING CALC. (ppm) PIT PROFILE
SCALE SAM O FT PIT PERI TO WELL HEAD 1.0.	METER PA	FIELD 418.1 CALC LAB NO. WEIGHT (g) OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 @ 3.5 / 140. 49 2 @ 3 @ 4 @ 5 @ 5 @ 5 @ 6 MALYSIS TIME LAB SAMPLES SAMPLE ANALYSIS TIME (D @ 3.5 TPH (30158) 133	ULATIONS mL FREON I	DILUTION READING CALC. (ppm) PIT PROFILE
SCALE SAN O FT PIT PERI TO WELL HEAD T2 1.0.	METER PA	FIELD 418.1 CALC LAB NO. WEIGHT (g) OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 @ 3.5 / 140 4 2 @ 3 @ 4 @ 5 @ 5 @ LAB SAMPLES SAMPLE ANALYSIS TIME	ULATIONS mL FREON I	DILUTION READING CALC. (ppm) PIT PROFILE
SCALE SAM O FT PIT PERI TO WELL HEAD 1.0.	METER PA	FIELD 418.1 CALC LAB NO. WEIGHT (g) OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 @ 3.5 / 140 y 2 @ 3 @ 4 @ 5 @ LAB SAMPLES SAMPLE ANALYSIS TIME (D@3.5 TPH(Sol58) 133 7 1 8 TEX (SOL12) 11 8 TEX (SOL12) 11	ULATIONS mL FREON I	DILUTION READING CALC. (ppm) PIT PROFILE
SCALE SAM O FT PIT PERI P.O. P.O	METER ANK BELOW GRADE; B = BELOW	FIELD 418.1 CALC LAB NO. WEIGHT (g) OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 @ 3.5 / 140 Y 2 @ 3 @ 4 @ 5 @ LAB SAMPLES SAMPLE ANALYSIS TIME (D23.5 TPH(Sol58) 133 THE (Sol58) 133 THE (Sol58) 133 THE (Sol58) 133 THE (Sol78) 133 TH	ULATIONS mL FREON I	DILUTION READING CALC. (ppm) PIT PROFILE
SCALE SAN O FT PIT PERI TO WELL HEAD 1.0. ~1.5' 8.6.	METER ANK BELOW GRADE; B = BELOW	FIELD 418.1 CALC LAB NO. WEIGHT (g) OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 @ 3.5 / 140 Y 2 @ 3 @ 4 @ 5 @ LAB SAMPLES SAMPLE ANALYSIS TIME (D23.5 TPH(Sol58) 133 THE (Sol58) 133 THE (Sol58) 133 THE (Sol58) 133 THE (Sol78) 133 TH	ULATIONS mL FREON I	DILUTION READING CALC. (ppm) PIT PROFILE
SCALE SAM O FT PIT PERI O'ELL HEAD 1.0. 1.5' 3.6. PD = PIT DEPRESSION, B.G. = APPRO) TRAVEL NOTES:	METER ANK BELOW GRADE; B = BELOW C, T B = TANK BOTTOM	FIELD 418.1 CALC LAB NO. WEIGHT (g) OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 @ 3.5 / 140 Y 2 @ 3 @ 4 @ 5 @ LAB SAMPLES SAMPLE ANALYSIS TIME (D23.5 TPH(Sol58) 133 THE (Sol58) 133 THE (Sol58) 133 THE (Sol58) 133 THE (Sol78) 133 TH	ULATIONS mL FREON I	PIT PROFILE

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EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 3.5'	Date Reported:	02-24-04
Laboratory Number:	27919	Date Sampled:	02-23-04
Chain of Custody No:	11664	Date Received:	02-24-04
Sample Matrix:	Soil	Date Extracted:	02-24-04
Preservative:	Cool	Date Analyzed:	02-24-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	16.7	0.2
Diesel Range (C10 - C28)	6.5	0.1
Total Petroleum Hydrocarbons	23.2	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:

Wilch A #4E Production Tank Pit Grab Sample.

Analyst C. Q

Maistine m Walles
Review



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 3.5'	Date Reported:	02-24-04
Laboratory Number:	27919	Date Sampled:	02-23-04
Chain of Custody:	11664	Date Received:	02-24-04
Sample Matrix:	Soil	Date Analyzed:	02-24-04
Preservative:	Cool	Date Extracted:	02-24-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Benzene	2.7	1.8	
Toluene	136	1.7	
Ethylbenzene	30.0	1.5	
p,m-Xylene	477	2.2	
o-Xylene	184	1.0	
Total BTEX	830		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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:

Wilch A #4E Production Tank Pit Grab Sample.

Analyst C. Carrier