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

Form C-144 June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe RCVD DEC5'06

Pit or Below-Grade Tank Registration or Closure

OIL COMS. DIV. 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	le tank 🔀
Operator: BP America Production Company Telephone	e: (505)326-9200 e-mail address:	
Address: 200 Energy Ct, Farmington, NM 87401		
Facility or well name: BARNES B # 3A API #: 30	045 22515 U/Lor Ott/Ott D	Sec 27 T 32 NR 11 W
County: San Juan Latitude		
Surface Owner: Federal X State Private Indian		
Pit	Below-grade tank	
Type: Drilling Production X Disposal	Volume:bbl Type of fluid: \(\lambda \)	
Workover ☐ Emergency ☐	Construction material:	
Lined Unlined	Double-walled, with leak detection? Yes If no	explain why not.
Liner type: Synthetic Thicknessmil Clay	/ V /	i
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	(0 points)
water source, or less than 1000 feet from all other water sources.)		
Distance to surface water: (horizontal distance to all wetlands, playas,	Less than 200 feet	(20 points)
irrigation 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
If this is a pit closure: (1) Attach a diagram of the facility showing the pit's	relationship to other equipment and tanks. (2) Indica	ate disposal location: (check the onsite box if
your are burying in place) onsite 🔀 offsite 🗌 If offsite, name of facility_		
remediation start date and end date. (4) Groundwater encountered: No 🕍 Y		
(5) Attach soil sample results and a diagram of sample locations and excavat		The distribution states results.
Additional Comments:	ions.	
See Attached Documentation		
See Attached Documentation		
	<u> </u>	
I hereby certify that the information above is true and complete to the best	of my knowledge and belief. I further certify that the	he above-described pit or below-grade tank
has been/will be constructed or closed according to NMOCD guideline	s 🔀, a general permit 🗀, or an (attached) alterna	tive OCD-approved plan 🔲.
Davis 11/010005	4	İ
Date: 11/01/2005	1/1/2 C. She	
Date: 11/01/2005 Printed Name/Title Jeffrey C. Blagg, Agent Signate Your certification and NMOCD approval of this application/closure does n	at religioshed person of lightling should the governor	of the nit on tonk contaminate around water or
otherwise endanger public health or the environment. Nor does it relieve the regulations.	of renew due operator of natinity should the contents	ny other federal, state, or local laws and/or
Approval: CEPUTY OIL & GAS INSPECTOR, DIST. &S	21211	DEC 0 5 2006
Printed Name/Title	Signature BAB—M	Date:

BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 FIELD REPORT: PIT CLOSURE VERIFICATION PAGE NO			300452	- 57/2		36,9	6077	107.9815
CLIENT: 67 P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 COCR NO 1939 COCR NO 1939 COCR NO 1939 COCR NO 1939 FIELD REPORT: PIT CLOSURE VERIFICATION PAGE No.		BLAG	GG ENG	NEERING	i, INC.	10	CATION NO	B1150
FIELD REPORT: PIT CLOSURE VERIFICATION PAGE NO: / of / LOCATION: NAME BARLAS B WELF 3A TYPE DEHY. GUADRINT: D SEC. 23 TWP-3Z-N RIS. IND PIN DOT CHTY. ST ST. NAME DIAGRAPHING. GUADRINT: D SEC. 23 TWP-3Z-N RIS. IND PIN DOT CHTY. ST ST. NAME DIAGRAPHING. GUADRINT: D SEC. 23 TWP-3Z-N RIS. IND DIAGRAPHING. EXCAVATION APPROX. A/A FT. x. A/A FT. X. A/A FT. DEEP, CUBIC YARDAGE: A/A DISPOSAL FACILITY: DOT NAME BARLAS: ST OTSD3* FORMATION. FIELD NOTES & REMARKS: PILOCATED APPROXIMATELY DOZ FT. S3DE FROM WELLHEAD. DEPTITO GROUNOWATER 2 DO NAME ARE THAT SOURCE 21000 PAR SOIL AND USE SAME SOURCE DISPOSAL FACILITY SAME STURE SOURCE DISPOSAL FACILITY SAME SOURCE DISPOSAL FACILITY SAME STURE SOURCE DISPOSAL FACILITY SAME STURE SOURCE DISPOSAL FACILITY SAME SOURCE DISPOSAL FACILITY SAME STURE SOURCE DISPOSAL FACILITY SAME SOURCE	CLIENT: 8P		-		, NM 87	413		
LOCATION: NAME: BARJES B WELL # 3A TYPE DEHY. OUNDUNNT: D SEC: 27 TWP 32 N RNG: ILW PM N/M CNTY ST ST. NAM OTRROOTAGE: \$60 VIIIO/W MAJON/ CONTRACTOR: MOZ (MEGA) EXCAVATION APPROX. N/A FT. X N/A FT. X N/A FT. DEEP. CUBIC YARDAGE: N/A DISPOSAL FACILITY: CNTY ST. NAM FT. X N/A FT. X N/A FT. X ST. DEEP. CUBIC YARDAGE: N/A LAND USE: ANGE - BUM LEASE: SF O 78 D 3 P FORMATION: MV FIELD NOTES & REMARKS: PITLOCATED APPROXIMATELY 10.7 FT. ST. 30 F FROM WELLHEAD. DEPTH TO GROUNDWATER 2 10.0 N NEAREST WATER SOURCE: > 10.00 N NEAREST SURFACE WATER: > 10.00 N SOIL AND EXCAVATION DESCRIPTION: SOIL TYPE: SAND/ SILTY SAND/ SILTY SILTY CLAY / CLAY / CLAY / GRAVE / OTHER SILONGE			(505) 632	2-1199		- 00	CR NO:	70301
QUADUNIT.) SEC. 27 TWP-37.N RNG. ILW PM N/M CNTY, ST ST. N/M OTRECOTAGE: 860 N INO W MON CONTRACTOR. #02 (*REGAL) EXCAVATION APPROX. **MA FT. X MA FT. DEEP. CUBIC VARDAGE: M/A DISPOSAL FACILITY: **ON-STITE** REMEDIATION METHOD: **CONTRACTOR. #03 FORMATION: #N/ FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 10.2. FT. \$3.0° FROM WELLHEAD. DEPTH TO GROUNDWATER: **NON CONTRACTOR. **PIT LOCATED APPROXIMATELY 10.2. FT. \$3.0° FROM WELLHEAD. MONCO RANKING SCORE: **ON NAMED THE COSTUME STD. \$50.0 PPM SOIL AND EXCAVATION DESCRIPTION: **OWN CALIB. GAS = 1/20.0 ppm OWN CALIB. GAS = 1/2								
OTRIFOOTAGE: \$40" NILO LO MAJAN CONTRACTOR MOT (MESS) SHEALEST NAV EXCAVATION APPROX. MA FT. X MA FT. X MA FT. DEEP. CUBIC YARDAGE: MA DISPOSAL FACILITY: CONSTITE REMEDIATION METHOD. LEASE: SF 0.78 D.3 FORMATION: MV FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 10.7 FT. \$30° FROM WELLHEAD. DEPTH TO GROUNDWATER \$10.5' NEAREST WATER SOURCE: 210.90' NOW CALLB. GAS: 210.90' NOW								
DISPOSAL FACILITY: LAND USE: ANGE - BLM LEASE: SF 078039 FORMATION: MV FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 107 FT. STORE FROM WELLHEAD. DEPTH TO GROUNDWATER: 100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000' NOCO THAT CONMISSION SCORE: ON MOCO THAT CONSUME STD. S000 PPM SOIL AND EXCAVATION DESCRIPTION: SOIL TYPE: (SAND) SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER SOIL COLOR: ON YELL. ORANGE TO TO TO MAN CALIB. GAS = /100 ppm DATE: 2/12.63 SOIL TYPE: (SAND) SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER COHESION (ALL OTHERS): (NON COHESINE) SILS SUFFICIAL SOILS; (SOFT) SOILS (CODE) SUFFICIAL SOILS (SOFT) SOILS (SOFT) COMSISTING (NON COHESINE) SOFT / FIRM SITE? / VERY DENSE CONSISTENCY (NON COHESINE SOILS): SOFT / FIRM SITE? / VERY DENSE CONSISTENCY (NON COHESINE SOILS): SOFT / FIRM SITE? / VERY DENSE CONSISTING (NON COHESINE SOILS): SOFT / FIRM SITE? / VERY DENSE CONSISTING (NON COHESINE SOILS): SOFT / FIRM SITE? / VERY DENSE CONSISTING (NON COHESINE SOILS): SOFT / FIRM SITE? / VERY DENSE CONSISTING (NON COHESINE SOILS): SOFT / FIRM SITE? / VERY DENSE CONSISTING (NON COHESINE SOILS): SOFT / FIRM SITE? / VERY DENSE CONSISTING (NON COHESINE): SOFT / FIRM SITE? / VERY DENSE CONSISTING (NON COHESINE): SOFT / FIRM SITE? / VERY DENSE CONSISTING (NON COHESINE): SOFT / FIRM SITE? / VERY DENSE CONSISTING (NON COHESINE): SOFT / FIRM SITE? / VERY DENSE CONSISTING (NON COHESINE): SOFT / FIRM SITE? / VERY DENSE CONSISTING (NON COHESINE): SOFT / FIRM SITE? / VERY DENSE CONSISTING (NON COHESINE): SOFT / FIRM SITE? / VERY DENSE CONSISTING (NON COHESINE): SOFT / FIRM SITE? / VERY DENSE CONSISTING (NON COHESINE): SOFT / FIRM SITE? / VERY DENSE CONSISTING (NON COHESINE): SOFT / FIRM SITE? / VERY DENSE CONSISTING (NON COHESINE): SOFT / FIRM SITE? / VERY DENSE / VERY DENSE CONSISTING (NON COHESINE): SOFT / FIRM SITE? / VERY DENSE / VERY D								NV
LAND USE: BANGE BUT LEASE: ST 078039 FORMATION: MV FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 10.7_ FT 30.6 FROM WELLHEAD. DEPTH TO GROUNDWATER 21.00 NEAREST WATER SOURCE 210.00 NEAREST SURFACE WATER: >10.00 Nearest SURFACE WATER SURFACE WATE	EXCAVATION APPROX.	NA FT. x	MA_FT	. × <u><i>NA</i></u> FT	. DEEP. C	UBIC YAR	DAGE:	NA
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 10.2 FT. \$3.0 FROM WELLHEAD. DEPTH TO GROUNDWATER: \$1.90 NEAREST WATER SOURCE: \$1.000 NEAREST SURFACE WATER: \$1.000 NEAREST SURFACE WATER SU	DISPOSAL FACILITY:	01-21	TE	REMEDIA	TION METH	IOD: _	CLOSE A	2 12
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 10.2 FT. \$3.0 FROM WELLHEAD. DEPTH TO GROUNDWATER: \$1.90 NEAREST WATER SOURCE: \$1.000 NEAREST SURFACE WATER: \$1.000 NEAREST SURFACE WATER SU	LAND USE: RANGE - B	3 cm	LEASE:	5F 0787	239	FORMAT	ION:	MU
DEPTH TO GROUNDWATER: \$100' NEAREST WATER SOURCE: \$1000' NEAREST SURFACE WATER: \$1000' NMOCD PANKING SCORE: 0 NMOCD THE CLOSURE STD: \$500 PPM SOIL AND EXCAVATION DESCRIPTION: OWN CALIB. READ: \$33.6 ppm OVM CALIB. READ: \$33.6 ppm OVM CALIB. GAS = 100 ppm RE = 0.52 TIME: 10:50 ppm RE = 0.52 TIME: 10:50 ppm DATE: 2/17.63 SOIL TYPE: (SAND) SILTY SAND / SILT / SILTY CLAY / CLAY / CRAY-L / OTHER SOIL COLOR:								
SOIL AND EXCAVATION DESCRIPTION: OVM CALIB. READ. = 53.6 ppm RF = 0.52 mov CALIB. GAS = 10.50 ppm DATE: 2/17-[03] SOIL TYPE: (SAND) SILTY SAND / SILT / SILTY CLAY / CRAY / CRA								
SOIL AND EACAVATION DESCRIPTION: OVACAUS GAS 100 ppm RF = 0.52 TIME: 10:50 gb)pm DATE: 2/17.63 SOIL TYPE: (SAND) SILTY SAND / SILT / SILTY CLAY / CLAY / CRAVEL / OTHER SOIL COLOR: OX YELL - ORANGE TO LT. MSD GRAD COHESION (ALL OTHERS): (MON COHESIVE) SIGHTLY COHESIVE / COHESIVE / CHIRLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): (ADOS) ORANGE (TO MESSURE COHESIVE /	NMOCD RANKING SCORE:O	NMOCD TPH	CLOSURE STD:	5000 P				
SOIL TYPE: SAND SILTY SAND / SILT / SILTY CLAY / CRAY / CR	SOIL AND EXCAVATION	N DESCRIPT	ION:					
SOLL COLOR: D. YELL. GRAN-GE TO CT. MS. GREM COHESION (ALL DTHERS): MON COHESIVE LONG SUPERIOR LONG STENCY (NON COHESIVE SOLLS): GOOSD CRED DENSE / VERY DENSE CONSISTENCY (NON COHESIVE SOLLS): GOOSD CRED DENSE / VERY DENSE CLASSIFICATION (CLAYS): NON PLASTIC / SLICHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC CRESSIFICATION (CLAYS): NON PLASTIC / SLICHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC CRESSIFICATION MOIST ON CONTROL SLICHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC CRESSIFICATION MOIST / WET / SATURATED / SUPER SATURATED / DISCOLORATION/STAINING OSSERVED. (CEAP NO EXPLANATION - BET. 6 - 9 BELOW GRODE (CT. MED. GLAY) HIC ODOR DETECTED (YES) NO EXPLANATION - DISCOLORATION OSSERVED. (CEAP) HIC ODOR DETECTED (YES) NO EXPLANATION - DISCOLORATION OSSERVED. (CEAP) SAMPLE TYPE: GRAD COMPOSITE - # OF PTS. ADDITIONAL COMMENTS - # OF PTS. DIFFERENCE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm) FILD PERIMETER IN OVM READING SAMPLE FIELD HARDSFACE (pm) 1 @ 9' 7 710 2 @ 3 @ 4 @ 5 @ 5 @ 5 MAILYSIS TIME DOY / PHI (SOLS) HIZD COTH PROSTED PD = PIT DEPRESSION: B.S. = BELOW GRADE: B = BELOW T.M = TEST HOLE; - * APPROX. T.B. = TANN BOTTOM					TIME: 10:	50 @1/pr	n DATE:	2/12/03
COMESSION (ALL OTHERS): MON COMESSIVE SOLDS: MODES / COMESSIVE / COMESSIVE / COMESSIVE / COMESSIVE SOLDS: MODES / COMESSIVE / COMESSIVE / COMESSIVE SOLDS: MODES / COMESSIVE /								
PLASTICIPY (PLAYS): NON PLASTIC / SLIGHTLY PLASTIC / CONESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC QUENTIFY (COLDESIVE CLAYS 4 SILIS): SOFT / FIRM / STIFF / VERY STIFF / HARD MOISTURE: DRY (STIGHTLY MOST) MOIST / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: CYES NO EXPLANATION. BET. 6 - 9 BELOW GRODE (IT. MED. GRAT) HIC ODOR DETECTED: CYES / NO EXPLANATION. BET. 6 - 9 BELOW GRODE (IT. MED. GRAT) HIC ODOR DETECTED: CYES / NO EXPLANATION. BET. 6 - 9 BELOW GRODE (IT. MED. GRAT) SAMPLE TYPE: GRAD COMPOSITE - # OF PTS. ADDITIONAL COMMENTS: PIT BACKFILED PRIST TO CONSTANCTION CARD'S DARIUM. PIT'S ORIGINAL DIMENSIONS: 15X/5XY'. FIELD 418.1 CALCULATIONS SCALE SAMPL FIELD HEADSPACE 10 97 710 2 93 3 90 4 90 5 90 NOT APPLICABLE PD - PIT DEPRESSION; B.S BELOW GRADE: B - BELOW TH TEST HOLE: - APPROX.T.S TANK BOTTOM THE TEST HOLE: - APPROX.T.S TANK BOTTOM TO SATURATE OF THE SATURATED AND THE STANK BOTTOM LAB SAMPLES EARTHLY (SOLES) / WESTER								
DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD WOISTURE: DRY STIGNITY MOISD MOIST / WET / SATURATED SUPER SATURATED DISCOLORATION/STIANING OBSERVED: VERY NO EXPLANATION BT. 6 - 9 BELOW GRADE (FT. MED. GRAT) HIC ODDR DETECTED (TS) / NO EXPLANATION DISCOLORED SOLL NOTED ABOVE TO OMNOTE SAMPLE TYPE: GRAD COMPOSITE - # OF PTS ADDITIONAL COMMENTS: PIT BACKFILLED GRISH TO CONSTAUCTION CAEN'S PARIUAL PIT'S ORIGINAL DIMENSIONS: 15 X 15 X 4' . FIELD 418.1 CALCULATIONS SCALE SAMP, TIME SAMP, ID LAB NO. WEIGHT (g) mL FREON DILUTION/READING CALC. (ppm) O FT PIT PROFILE OVM READING SAMPLE FIELD HEADSPACE (ppm) 10 9' 8.6' 710 20 3 4 4 5 5 6 5 AMPLE ANALYSIS TIME 5 AMP	CONSISTENCY (NON COHESIVE SOIL	S): LOOSE FIRM	DENSE / VERY	DENSE				
MOISTURE: DRY (STIGHTLY MOIST) MOIST WET / SATURATED / SUPER SATUR					/ HIGHLY PLAST	TIC		
SCALE SAMPLE TYPE: (GRAB) COMPOSITE: 4 OF PTS ADDITIONAL COMMENTS: PIT BACKPLUED PRIDE TO CONSTRUCTION CASU'S PARIUAL. PIT'S ORIGINAL DIMENSIONS: 15X15X4'. FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm) O FT PIT PERIMETER IN OVM READING SAMPLE FIELD HEADSPACE (ppm) 1@ 7 710 2@ 3@ 4@ 5@ NOT APPLICABLE SAMPLES SAMPLE ANALYSIS TIME DEST PLESTHOLE: APPROX.T.B. = TANK BOTTOM PD. = PIT DEPRESSION: B.G. = BELOW GRADE: B = BELOW T.H. = TEST HOLE: APPROX.T.B. = TANK BOTTOM	MOISTURE DRY (SLIGHTLY MOIST)	MOIST / WET / SAT	URATED / SUPE	R SATURATED .			/	
SAMPLE TYPE: GRAB COMPOSITE + 8 OF PTS ADDITIONAL COMMENTS: PIT BACKFILLED PRISK TO CONSTRUCTION CLEAR'S ARRIVAL. PIT'S ORIGINAL PIT BACKFILLED PRISK TO CONSTRUCTION CLEAR'S ARRIVAL. PIT'S ORIGINAL FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm) PIT PERIMETER IN OVM READING SAMPLE FIELD HEADSPACE (ppm) 1@ 9' 710 2@ 3@ 4 @ 5 @ NOT APPLICABLE SAMPLES INTEL SAMPLES INTEL SAMPLES INTEL SAMPLES INTEL AND THE SAMPLES SAMPLES INTEL SAMPLE	DISCOLORATION/STAINING OBSERVE	D: YES NO EXP	LANATION - B	ET. 6'-9'	BELOW GRADI	E (tr. me	D. GRAY)	<u> </u>
ADDITIONAL COMMENTS: PIT BACKPILLED PRIOR TO CONSTANCTION CASE S ARRIVAL. PTS ORIGINAL DIMENSIONS: 15×15×4'. FIELD 418.1 CALCULATIONS SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm) O FT PIT PERIMETER IN OVM READING SAMPLE FIELD HEADSPACE (ppm) 1@ 9' 710 2@ 33@ 44@ 5@ 5@ NOT APPLICABLE SAMPLE FIELD HADSPACE (ppm) 1 @ 9' 710 2 @ 30			COLONED 30	NE NOTED A	reove a c	oum san	nPLE	
SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm) PIT PERIMETER OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 @ 9' 710 2 @ 3 @ 4 @ 5 @ 5 @	ADDITIONAL COMMENTS: PIT BE	ACKFILLED P	RIDE TO CO	OSTRUCTION	crem's Ar	RIVAL . P	IT'S ORIG	INAL
SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm) PIT PERIMETER IN PIT PROFILE OVM READING SAMPLE FIELD HEADSPACE (ppm) 1 9 7 710 2 @ 3 @ 4 4 @ 5 @ 5 @ 5 @ 5 @ 5 @ 5 @ 5 @ 5 @	DIMEN	510NS: 15X1	SX4.					
SAMP. TIME SAMP. D PIT PERIMETER IN PIT PROFILE OVM READING SAMPLE FIELD HEADSPACE (ppm) 1@ 9' 710 2@ 3@ 4@ 5@ 6TEX(\$0521B) " P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~= APPROX; T.B. = TANK BOTTOM			FII	ELD 418.1 CALC	ULATIONS	~~·		
PIT PERIMETER AN OVM READING SAMPLE FIELD HEADSPACE (ppm) 1@ 9' 710 2@ 3@ 4@ 5@ NOT APPLICABLE NOT APPLICABLE LAB SAMPLES SAMPLE ANALYSIS TIME (D=9' TPH (SDISB) 1420 (BTEX(SOZIB)'') P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW TH. = TEST HOLE; -= APPROX; T.B. = TANK BOTTOM	SCALE SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)
SAMPLE FIELD HEADSPACE (ppm) 1@ 9' 710 2@ 3@ 4@ 5@ ANOT APPLICABLE SAMPLE PT. T.H. LAB SAMPLES SAMPLE ANALYSIS TIME (De 9' TPH (ROISR) 1420 " 6TEX (ROZIB) " P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX; T.B. = TANK BOTTOM	0 FT							
SAMPLE FIELD HEADSPACE (ppm) 1@ 9' 710 2@ 3@ 4@ 5@ ANOT APPLICABLE SAMPLE PT. T.H. LAB SAMPLES SAMPLE ANALYSIS TIME (De 9' TPH (ROISR) 1420 " 6TEX (ROZIB) " P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX; T.B. = TANK BOTTOM	PIT PERIMETE	R 40	.L			PIT	PROFIL	F
SAMPLE FIELD HEADSPACE (ppm) 1 @ 9' 710 2 @ 3 @ 4 @ 5 @ NOT APPLICABLE SAMPLE FIELD HEADSPACE (ppm) 1 @ 9' 710 2 @ 3 @ 4 @ 5 @ NOT APPLICABLE LAB SAMPLES SAMPLE SIND FIELD HEADSPACE (ppm) A @ 5 @ NOT APPLICABLE NOT APPLICABLE NOT APPLICABLE SAMPLE SIND FIELD HEADSPACE (ppm) 1 @ 9' 710 2 @ 3 @ 4 @ 5 @ NOT APPLICABLE NOT APPLICABLE SAMPLE SIND FIELD HEADSPACE (ppm) A @ 5 @ NOT APPLICABLE SAMPLES S	_ 10] c	VM			110112	-
SAMPLE PILL (PPM) 1 @ 9' 710 2 @ 3 @ 4 @ 5 @ NOT APPLICABLE SAMPLE PT. T.H. ~ 9' B.G. ~ 9' B.G. NOT APPLICABLE LAB SAMPLES SAMPLE ANALYSIS TIME De.9' TPH (SDISB) 1420 " 6TEX(SDZIB)" P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX; T.B. = TANK BOTTOM								
SAMPLE PT. T.H. LAB SAMPLES SAMPLE ANALYSIS TIME DE THE (BOISB) 1420 " GTEX (BOZIB) " P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM	(1,21)		ID	(ppm)				·
SAMPLE PT. Yellow Sold A @ 5 @ 5 @ 5 @ 5 @ 5 @ 5 @ 5 @ 5 @ 5 @				710	-			
SAMPLE PT. ~ 9' B. G. P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM NOT APPLICABLE NOT APPLICABLE NOT APPLICABLE LAB SAMPLES SAMPLE ANALYSIS TIME (BOLS) 1420 " 6TEX(8021B) " (BOTH PASSED) (BOTH PASSED)			3@					
SAMPLE PT. ~ 9' B. G. B. G. LAB SAMPLES SAMPLE ANALYSIS TIME [Deq' TPH (RDISR) 142.0 " 6TEX(80218)" BOH PASSED BOH PASSED BOH PASSED								
F.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM								
P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM	7 No Afficience							
P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM								
P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM	Sample of T.H.							
P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM	~ 9' R Gr ~ 9' LAB SAMPLES							
P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM	ANALYSIS TIME							
P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM								
T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM			(BOTH	PASSED)	_			
TRAVEL NOTES: CALLOUT: Z/12/03 - MORN. ONSITE: Z/12/03 - AFTER.								
	TRAVEL NOTES: CALLOUT:	2/12/03-	MORN.	ONSITE:	2/12/03 -	AFTER	<u> </u>	



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 9'	Date Reported:	02-14-03
Laboratory Number:	24831	Date Sampled:	02-12-03
Chain of Custody No:	10501	Date Received:	02-13-03
Sample Matrix:	Soil	Date Extracted:	02-14-03
Preservative:	Cool	Date Analyzed:	02-14-03
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:

Barnes B #3A Dehydrator Pit Grab Sample.

Analyst C. Cephan

Review



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 9'	Date Reported:	02-14-03
Laboratory Number:	24831	Date Sampled:	02-12-03
Chain of Custody:	10501	Date Received:	02-13-03
Sample Matrix:	Soil	Date Analyzed:	02-14-03
Preservative:	Cool	Date Extracted:	02-14-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Benzene	ND .	1.8	
Toluene	ND	1.7	
Ethylbenzene	ND	1.5	
p,m-Xylene	3.0	2.2	
o-Xylene	2.6	1.0	
Total BTEX	5.6		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery	
	Fluorobenzene	95 %	
	1,4-difluorobenzene	95 %	
	Bromochlorobenzene	95 %	

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:

Barnes B #3A Dehydrator Pit Grab Sample.

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