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

## State of New Mexico **Energy Minerals and Natural Resources**

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

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-144 June 1, 2004

<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

Pit or Below-Grade	Tank R	egistration	or Closure
Is pit or below-grade tank co	vered 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 PROD. CO.	Telephone: (505)-326-9200 e-	mail address:
Address: 200 ENERGY COURT, FARMINGTON.	NM 87410	
Facility or well name: FLORANCE GC J #3	API#: 30-045- 27414 U/L or O	tr/Otr G Sec 23 T 30N R 8W
County: SAN JUAN Latitude 36.79818 Longitude 10	07.64105 NAD: 1927 ☐ 1983 ⊠ Surface	Owner Federal X State Private Indian
oodan).		· · · · · · · · · · · · · · · · · · ·
Pit	Below-grade tank	RCVD APR5'07
Type: Drilling Production Disposal ABANDON	Below-grade tank	DIL CONS. DIV.
Workover	Construction material:	DIL CONS. DIV.
Lined 🗌 Unlined 🛛	Double-walled, with leak a tection? Yes I If	nt, explain why not. DIST. 3
Liner type: Synthetic Thickness mil Clay		
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) <b>0</b>
high water elevation of ground water.)	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)
	Less than 200 feet	(20 points)
Distance to surface water: (horizontal distance to all wetlands, playas,	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)	0
If this is a pit closure: (1) attach a diagram of the facility showing the pit's your are burying in place) onsite ☑ offsite ☐ If offsite, name of facility_remediation start date and end date. (4) Groundwater encountered: No ☑ Attach soil sample results and a diagram of sample locations and excavation	Yes  If yes, show depth below ground surface _	al description of remedial action taken including
Additional Comments PIT LOCATED APPROXIMATEL	Y 123 FT. S74W FROM W	VELL HEAD.
PIT EXCAVATION: WIDTH N/Aft., LENGTH	N/Aft DEPTH N/Aft	
PIT REMEDIATION: CLOSE AS IS: ☑, LANDFARM: □, C	COMPOST: , STOCKPILE: , OTHER	(explain)
Cubic yards: N/A		
BEDROCK BOTTOM		
DODAYON DO 1 1 OUT		
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: 01/10/06		••
T 00 D)	Caller 19 a	
PrintedName/Title Jeff Blagg - P.E. # 11607	_Signature	
Your certification and NMOCD approval of this application/closure does not not otherwise endanger public health or the environment. Nor does it relieve to regulations	not relieve the operator of liability should the conte the operator of its responsibility for compliance with	nts of the pit or tank contaminate ground water or h any other federal, state, or local laws and/or
Approval: Deputy Oil & Gas Inspector, Printed Name/Title District #3	ignature Bull	AUG 0 9 2007
·		

BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199  FIELD REPORT: PIT CLOSURE VERIFICATION PAGENO: 1 of 1  LOCATION: NAME FLORANCE SET WILL S TYPE AGANDAY QUADRINIT & SEC. 23 TWP 20A RNG 20A R				man agreement of the control of the	e de la companya del la companya de	on a member of the state of the	
FIELD REPORT: PIT CLOSURE VERIFICATION PAGE NO: 1 of 1  LOCATION: NAME FLORANCE SET WELLS 5 TYPE AGANDAY DATE STARTED 1-6-04  GIADMANT G SEC 23 TWP 3CN RING BW PM AM CHIT'S J ST. MM  GIAPPOTAGE, 220 FM & 1030 FEL SUPE AGANDAY DATE STARTED 1-6-04  EXCAVATION APPROX. NA FT. X NA FT. X NA FT. X DESCRIPTION METHOD: SECOLUSION, JCB.  EXCAVATION APPROX. NA FT. X NA FT. X NA FT. X DESCRIPTION METHOD: CLOSE AS 15  LAND USE: RAJAC BM  LEASE SF - 078385 FORMATION: FT  FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 123 FT. S.744 FROM WELLHEAD. DEPTH TO GROUNDWATER: 7/01/2 NEAREST WATER SOURCE: 20  SOIL AND EXCAVATION DESCRIPTION: DOMESTIC METHOD SOURCE STD. SOUR COLORS  SOIL TYPE: SAND AGLITY SAND SLIT SILTY CLAY / CLAY / CLAY / GRAVEL / OTHER B. CLAY K SANDS M. E. S. SOL TYPE: SAND AGLITY SAND SLIT SILTY CLAY / CLAY / GRAVEL / OTHER B. CLAY K SANDS M. E. S. SOL TYPE: SAND AGLITY SAND SLIT SILTY CLAY / CLAY / GRAVEL / OTHER B. CLAY K SANDS M. E. S. SOL TYPE: SAND AGLITY SAND SLIT / SILTY CLAY / CLAY / GRAVEL / OTHER B. CLAY K SANDS M. E. S. SOL TYPE: SAND AGLITY SAND SLIT / SILTY CLAY / CLAY / GRAVEL / OTHER B. CLAY K SANDS M. E. S. COCKESION RAIL OTHERS; NON CONSISTENCY (NON CONSISTENC	7 A			•	LOC	ATION NO: _	81743
COCATION: NAME: FLORANCE CONTROL WELLE 5 TYPE AGANDOW  QUADRUNIT G SEC; 23 TWP; 20A RNO 20W PM ALM CNTY S.J ST. ALM  QUADRUNIT G SEC; 23 TWP; 20A RNO 20W PM ALM CNTY S.J ST. ALM  QUADRUNIT G SEC; 23 TWP; 20A RNO 20W PM ALM CNTY S.J ST. ALM  QUADRUNIT G SEC; 23 TWP; 20A RNO 20W PM ALM CNTY S.J ST. ALM  QUADRUNIT G SEC; 23 TWP; 20A RNO 20W PM ALM CNTY S.J ST. ALM  QUADRUNIT G SEC; 23 TWP; 20A RNO 20W PM ALM CNTY S.J ST. ALM  QUADRUNIT G SEC; 23 TWP; 20A RNO 20W PM ALM FT. X. ALA FT. DEEP, CUBIC YARDAGE; Q  DEPOSAL FACILITY:  ALAN DUSE: RANSE BLM  LEASE: S.F O T J 3 S FORMATION: FT  FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY (23 FT. S.74W PROM WELLHEAD.  DEPTITO GROUNDWATER: 7/Q/J NEAREST WATER SOURCE: SIDUAL NEAREST SURFACE WATER: NOOCO-18W PM ALMOS DARK MASS SORE Q  NAMOCO PARKING SCORE: Q NAMOCO THE CLOSURE STD. SOURCE SOLE SOLE SOLE SOLE SOLE SOLE SOLE SOL	CLIENT:	•		, MINI 012		R NO:	5343
DOCATION: NAME FLORANCE SEC. J. WP. BOW. B. W. W. A. CHIY. S. J. S. A.M.  QUADRINT & SEC. 23 TYP. BON 1809 BW PM AM CHIY. S. J. S. A.M.  GIRRODAGE 220 FAN. 1635 FEB. 2006 CONTRACTOR NO. (CAMP.)  EXCAVATION APPROX. AM. FT. X. M. FT. X. A.M. FT. DEEP. CUBIC YARDAGE:  EXCAVATION APPROX. AM. FT. X. M. FT. X. A.M. FT. DEEP. CUBIC YARDAGE:  EXCAVATION APPROX. AM. FT. X. M. FT. X. A.M. FT. DEEP. CUBIC YARDAGE:  USPOSAL FACILITY:  AND REMEDIATION METHOD:  LEASE: S.F. O. 70.365  FORMATION: FT  FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 12.3 FT. S.74 W. FROM WELLHEAD.  OBPTH TO GROUNOWATER: 2000 NAMEREST WATER SOURCE: 2000 NAMEREST SURFACE WATER: 200	FIELD REPORT		E VERIFI	CATIC	N PAG	E No:1	of
QUADUNIT & SEC 25 TAP, SON ING BY PHI AM CHTY'S TAIL  TOTOPOTAGE: ZZU FAN L 130 FEL TOUN'S CONTRACTOR PDI (JUNA!)  EXCAVATION APPROX. ALA FT. X. NA FT. X. ALA FT. DEEP. CUBIC YARDAGE:  EXCAVATION APPROX.  AND FT. X. NA FT. X. ALA FT. DEEP. CUBIC YARDAGE:  Q DISPOSAL FACILITY:  LAN USE: RAYSE BLM LEASE: SF - O 78 385 FORMATION: FT FIELD NOTES & REMARKS:  DEPTH TO GROUNDWATER: YULU NEAREST WATER SOURCE: SILV NEW NEW NEAREST WATER SOURCE: SILV NEW NEW NEAREST WATER SOURCE: SILV NEW NEW NEW NEW NEAREST WATER SOURCE: SILV NEW	LOCATION: NAME FLOR		3 TYPE	ABANDON			
EXCAVATION APPROX. NA FT. X NA FT. DEEP. CUBIC YARDAGE:  DISPOSAL FACILITY:  NA FT. X NA FT. X NA FT. DEEP. CUBIC YARDAGE:  DISPOSAL FACILITY:  REMEDIATION METHOD:  LEASE: \$F-078355 FORMATION:  FIELD NOTES & REMARKS:  PIT LOCATED APPROXIMATELY [23] FT. \$74W FROM WELLHEAD.  DEPTH TO GROUNDWATER: \$100 NEAREST WATER SOURCE:  NEAREST WATER SOURCE:  NEAREST SUFFACE WATER.  NEAREST WATER SOURCE:  NEAREST WATER S	QUAD/UNIT G SEC: 23	TWP: 30N RNG: 8W PM:	MM CNTY: SJ	T ST: MM			6-30
EXCAVATION APPROX. NA FT. X NA FT. DEEP. CUBIC YARDAGE:  DISPOSAL FACILITY:  LEASE: \$F-070305  FORMATION: FT  FIELD NOTES & REMARKS:   PIT LOCATED APPROXIMATELY [23] FT. \$74W   PROM WELLHEAD.  OBETH TO GROUNDWATER: \$\frac{1}{2}\triangle Notes and the state of	QTR/FOOTAGE: ZZW FNL	× 1630 FEL JUINE CONT	RACTOR: HDI	Lyne(1)			JUS
LEASE: SF-078385 FORMATION: FT  FIELD NOTES & REMARKS: PITLOCATED APPROXIMATELY (23 FT. \$74W FROM WELLHEAD.  DEPTH TO GROUNDWATER: 2003 NEAREST WATER SOURCE: 2003 NEAREST SURFACE WATER: 700000  NMOCD RANKING SCORE: O NMOCD THE CLOSURE STD. 5000 PPM  SOIL AND EXCAVATION DESCRIPTION: OVM CALIB. READ = \$2.1 ppm OVM CALI			. x <u> </u>	DEEP. C	JBIC YARD	AGE: _	<u>ن</u>
FIELD NOTES & REMARKS:  DEPTH TO GROUNDWATER:  NAMCCD PANKING SCORE:  SOIL AND EXCAVATION DESCRIPTION:  OVM CALIB. READ = \$22 \ ppr OVM CALIB. GAS = 100 \ ppm OVM CALIB. GAS = 100	DISPOSAL FACILITY:	NA .	REMEDIA	TION METH	OD: _	Leviz	AS 15
DEPTH TO GROUNDWATER: 2/03 NEAREST WATER SOURCE: 2/03 NEAREST SURFACE WATER 5/00/0  NMOCD THE CLOSURE STD: 5/00/0  SOIL AND EXCAVATION DESCRIPTION: OWN CALIB. READ = 52-1 point of the closure std: 5/00/0  SOIL AND EXCAVATION DESCRIPTION: OWN CALIB. READ = 52-1 point own Calib. Read = 5/00/0  SOIL TYPE: SAND (SLTY SAND) SILT / SILTY CLAY / CLAY / CLAY / GRAVEL / OTHER READ = 5/00/0  SOIL COLOR. ON THE REST NON CONSISTE OF THE SANDSTONE OF THE SANDSTONE C SOIL COLOR. ON THE STORY OF THE SANDSTONE C SOIL COLOR SINTE NOT CONSISTENCY (NON CONSISTENCY SOILS): LOSS (FIRM) DENSE / VERY DENSE PLASTICITY (CLAY): NON PLASTIC / SILGHTLY PLASTIC / COHESIVE / HIGHLY COHESIVE PLASTICITY (CLAY): SON PLASTIC / SILGHTLY PLASTIC / COHESIVE / HIGHLY CHESIVE PLASTICITY (CLAY): NON PLASTIC / SILGHTLY PLASTIC / COHESIVE / HIGHLY CHESIVE PLASTICITY (CLAY): SON PLASTIC / SILGHTLY PLASTIC / COHESIVE / HIGHLY PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE AND SILTS) SOT! FIRM SITE /	LANDUSE: RANGE - B	LM LEASE: S	F-07838	35	FORMAT	ION: <u>F</u> T	
NMOCD TANKING SCORE:    NMOCD TANKING SCORE:   O   NMOCD TANKING SCORE STD:   SOUL AND EXCAVATION DESCRIPTION:	FIELD NOTES & REMAR	KS: PIT LOCATED APPRO	XIMATELY 123	3 FT.	574W	FROM W	ELLHEAD.
SOIL AND EXCAVATION DESCRIPTION:  OVM CALIB. READ = \$2.1 ppm OVM CALIB. GAS = \$1.0 ppm OVM CALIB	DEPTH TO GROUNDWATER: 200	 NEAREST WATER SOURCE:	>1000	NEAREST S	SURFACE WAT	ER:	001
SOIL TYPE: SAND (SILTY SAND) SILT / SILTY CLAY / CLAY / CRAY / CR	NMOCD RANKING SCORE:	NMOCD TPH CLOSURE STD:	5000 PF	M			
SOIL TYPE: SAND (SILTY SAND) SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BOOK SANDSYM & SOIL COLOR  SOIL COLOR  COMESION (ALL OTHERS): NON COMESIVE / RIGHTYTOTHISWED COMESIVE / HIGHLY COMESIVE  CONSISTENCY (NON COMESIVE SOILS): LOOSE (FIRM JOSTIFF / WARD  ENSTRUCY (CLAYS): NON PLASTIC / SILORITY PLASTIC / COMESIVE / HIGHLY PLASTIC / HIGHLY PLASTIC  DENSITY (CLAYS): NON PLASTIC / SILORITY PLASTIC / COMESIVE / HIGHLY PLASTIC / HIGHLY PLASTIC  DENSITY (COMESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD  MOISTURE (EARLY SILTS): WET / SATURATED / SUPER SATURATED  DISCOLORATION/STAINING OBSERVED: YES (NO EXPLANATION.  HO OOR OFFETCED: YES (NO EXPLANATION.  SAMPLE TYPE GRAD (COMPOSITE) # OF PTS  SAMPLE TYPE GRAD (COMPOSITE) # OF PTS  SCALE  SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm)  PIT PERIMETER  OVM  READING  SAMPLE FIELD #418.1 CALCULATIONS  SCALE  SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm)  PIT PERIMETER  OVM  READING  SAMPLE FIELD #418.1 CALCULATIONS  BOANCE SAMS NO.  LAB SAMPLES  SAMPLE FIELD #418.1 SALCULATIONS  BOANCE SAMS NO.  LAB SAMPLES  SAMPLE FIELD #418.1 SALCULATIONS  BOANCE SAMS NO.  PIT PERIMETER  PIT PROFILE  BOANCE SAMS NO.  PIT PERIMETER  PIT PROFILE  BOANCE SAMS NO.  PIT PERIMETER  PIT PROFILE  BOANCE SAMS NO.  PIT PERIMETER  PIT DEPRESSION: B G. * BELOW GRADE: B * BELOW GRADE: B * BELOW GRADE: B * TANK BOTTOM.	SOU AND EXCAVATIO	N DESCRIPTION:					
SOIL TYPE: SAND (SILTY SAND) SILT / SILTY CLAY / CLAY / GRAVEL / OTHER  SOIL COLOR.  ON IT AN  SOIL COLOR.  ON IT AN  CONESION (ALL OTHERS): NON COHESIVE / EIGHTLY COHESIVE COHESIVE / HIGHLY COHESIVE  CONSISTENCY (NON COHESIVE SOILS): LOOSE (FIRM DENSE / VERY DENSE  PLASTICITY (CLAYS): NON PLASTIC / SILGHTLY PLASTIC / COHESIVE / HERDIUM PLASTIC / HIGHLY PLASTIC  DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD  MOISTURE (GRY / SLIGHTLY MOIST) MOIST / WET / SATURATED / SUPER SATURATED  DISCOLORATION/STAINING OBSERVED: YES (GO) EXPLANATION.  HO ODOR DETECTED: YES (GO) EXPLANATION.  SAMPLE TYPE GRAB (COMPOSITE) # OF PTS S  SOCIETY (COHESIVE CLAYS & SILTS):  SOCIETY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD  MOISTURE (GRY / SLIGHTLY MOIST) MOIST / WET / SATURATED / SUPER SATURATED  DISCOLORATION/STAINING OBSERVED: YES (GO) EXPLANATION.  HO ODOR DETECTED: YES (GO) EXPLANATION.  FIELD 418.1 CALCULATIONS  SCALE  SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILLUTION/READING CALC. (ppm)  OFT  PIT PERIMETER  OVM  READING  SAMPLES  SA	OOIL MID EXOMINIO	IN DECORAL FICH.		F		·································	
CONSISTENCY (NON COHESIVE SOURS): LOOSE (FIRM DENSE / VERY DENSE   HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOURS): LOOSE (FIRM DENSE / VERY DENSE   PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (CHESIVE CLAYS & SUITS): SOFT / FIRM / STIFF / VERY STIFF / HARD  DENSITY (CHESIVE CLAYS & SUITS): SOFT / FIRM / STIFF / VERY STIFF / HARD  DENSITY (CHESIVE CLAYS & SUITS): SOFT / FIRM / STIFF / VERY STIFF / HARD  DISCOLORATION/STANING OBSERVED: YES (NO) EXPLANATION - HIGHLY PLASTIC / DUPLY ADJUNCTION OF EXPLANATION - SAMPLE TYPE GRAB (COMPOSITE): #OF PTS SAMPLE TYPE GRAB (COMPOSITE):	SOIL TYPE: SAND / SILTY SAN	DY SILT / SILTY CLAY / CLAY .	/ GRAVEL / OTH				
CONSISTENCY (NON COMESIVE SOLIS): LOOSE (FIRM DENSEY / VERY DENSE PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COMESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COMESIVE CLAYS & SULTS): SOPT / FIRM / STIFF / VERY STIFF / HARD MOISTURE (BY): SLIGHTLY MOISD MOIST / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: YES (GO) EXPLANATION - HC ODOR DETECTED: YES (GO) EXPLANATION - HC ODOR DETECTED: YES (GO) EXPLANATION - SAMPLE TYPE GRAB (GOMPOSITE): # OF PTS S A BORDON SAMPLE TYPE GRAB (GOMPOSITE): # OF PTS S A BORDON SCALE  SCALE  SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm)  O FT  PIT PERIMETER  OVM READING SAMPLE FIELD HEADSPACE (ppm)  15  15  15  15  15  15  15  15  15  1	SOIL COLOR.	Dort TAN					
DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD  MOISTURE (DRY / SLIGHTLY MOIST) MOIST) MOIST / WELL SATURATED / SUPER SATURATED  DISCOLORATION/STAINING OBSERVED: YES (ND EXPLANATION -  HC ODOR DETECTED: YES (NO EXPLANATION -  SAMPLE TYPE GRAB / COMPOSITE) # OF PTS S  SAMPLE TYPE GRAB / COMPOSITE) # OF PTS S  SCALE  SCALE  SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm)  PIT PERIMETER  OVM  READING  SAMPLE FIELD HEADSPACE  1				CONESIVE			
MOISTURE (DRY) SLIGHTLY MOISD MOIST / WET / SATURATED / SUPER SATURATED DISCOLORATION/STANING OBSERVED. YES (30) EXPLANATION.  HE CODOR DETECTION: YES (30) EXPLANATION.  SAMPLE TYPE GRAB / COMPOSITE) # OF PTS S  ADDITIONAL COMMENTS.  FIELD 418.1 CALCULATIONS  SCALE  SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm)  OFT  PIT PERIMETER  OVM  READING  SAMPLE  FIELD HEADSPACE  10  10  10  10  10  10  10  10  10  1	, , , , , , , , , , , , , , , , , , , ,			HIGHLY PLAST	TIC		
DISCOLORATIONISTAINING OBSERVED. YES (M) EXPLANATION -  HO ODOR DETECTED: YES (M) EXPLANATION -  SAMPLE TYPE GRAB (OMPOSITE) # 0 F PTS S  ADDITIONAL COMMENTS.  FIELD 418.1 CALCULATIONS  SCALE  SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm)  O FT  PIT PERIMETER  OVM  READING  SAMPLE PIELD HADSPACE ID  O SAMPLE PIELD HADSPACE ID  O SAMPLE PIELD HADSPACE ID  O SAMPLES	`					(Cu	25ED)
SAMPLE TYPE GRAB/COMPOSITE + OF PTS S  ADDITIONAL COLUMENTS  FIELD 418.1 CALCULATIONS  SCALE  SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm)  OFT  PIT PERIMETER  OVM  READING  SAMPLE FIELD HEADSPACE (ppm)  15  A  SAMPLE FIELD HEADSPACE (ppm)  16  20  30  40  15  C  SAMPLE FIELD HEADSPACE (ppm)  15  A  SAMPLE FIELD HEADSPACE (ppm)  16  SAMPLE FIELD	DISCOLORATION/STAINING OBSERV	/ED: YES NO EXPLANATION -	EN SATURATED				
ADDITIONAL COMMENTS.  SCALE  SCALE  SAMP. TIME SAMP. ID  LAB NO. WEIGHT (g) ML FREON DILUTION READING CALC. (ppm)  OFFT  PIT PERIMETER  OVM  READING  SAMPLE							
FIELD 418.1 CALCULATIONS  SCALE  SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm)  OFT  PIT PERIMETER  OVM  READING  SAMPLE FIELD HEADSPACE (ppm)  1	ADDITIONAL COMMENTS.					Pit. Us	جه,
SCALE SAMP. TIME SAMP. ID LAB NO. WEIGHT (g) ML FREON DILUTION READING CALC. (ppm)  OFT PIT PERIMETER  OVM READING SAMPLE FIELD HEADSPACE (ppm)  16  SAMPLE FIELD HEADSPACE (ppm)  18  LAB SAMPLES SAMPLE ANALYSIS TIME SAM		tracting to Dig	inh pit	× Soup	lor_		
PD = PIT OPPRESSION; B G. = BELOW GRADE; B = BELOW TH = TEST HOLE, - = APPROX; T.B. = TANK BOTTOM  SAMP. IIME SAMP. ID  LAB NO. WEIGHT (g) mL FREON DILUTION READING CALC. (ppm)  PIT PROFILE  OVM READING SAMPLE FIELD HEADSPACE (ppm)  1.6  2.0  3.0  4.0  5.PE  C. ANALYSIS TIME 5.PROFILE ANALYSIS TIME		F	IELD 418.1 CALC	ULATIONS			
PIT PERIMETER  OVM  READING  SAMPLE FIELD HEADSPACE (ppm)  10  20  30  40  50  5-Pc  COMPSTY	SCALE SAMP. TIM	IE SAMP. ID LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)
PIT PERIMETER  OVM  READING  SAMPLE FIELD HEADSPACE (ppm)  10  20  30  40  50  5-Pc  COMPSTY							
OVM READING SAMPLE FIELDHEADSPACE  10  10  10  10  10  10  10  10  10  1	97						
READING SAMPLE FIELD HEADSPACE  [ppm]  10  20  30  40  50  50  50  50  60  10  10  10  10  10  10  10  10  1	N PIT PERIMET		D) / N /	[	PITE	PROFILE	-
P.D = PIT DEPRESSION; B G. = BELOW GRADE; B = BELOW TH = TEST HOLE, ~= APPROX.; T.B. = TANK BOTTOM  TRAVEL NOTES:	1						
P.D = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW TH = TEST HOLE, ~ = APPROX.; T.B. = TANK BOTTOM  TRAVEL NOTES:		T3 SAMPLE	FIELD HEADSPACE				
LAB SAMPLES  SAMPLE ANALYSIS TIME  SAMPLE AN	5 15	1 (42	(PP···)	_			
LAB SAMPLES  SAMPLE ANALYSIS TIME  SAMPLE AN	/ 5 C			-			
P.D = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW TH = TEST HOLE, ~ = APPROX.; T.B. = TANK BOTTOM  TRAVEL NOTES:	10 F / x	4 @		] <i>f</i>	$\vec{z} \setminus$	^	
P.D = PIT DEPRESSION; B G. = BELOW GRADE; B = BELOW TH = TEST HOLE, ~ = APPROX.; T.B. = TANK BOTTOM  TRAVEL NOTES:	×		<i>3.0</i>	- /	OK /	i 5	.1
P.D = PIT DEPRESSION; B G. = BELOW GRADE; B = BELOW TH = TEST HOLE, ~ = APPROX.; T.B. = TANK BOTTOM  TRAVEL NOTES:						<del></del>	<del></del>
P.D = PIT DEPRESSION; B G. = BELOW GRADE; B = BELOW TH = TEST HOLE, ~ = APPROX.; T.B. = TANK BOTTOM  TRAVEL NOTES:		)			E 41		15'
P.D = PIT DEPRESSION; B G. = BELOW GRADE; B = BELOW TH = TEST HOLE, ~ = APPROX.; T.B. = TANK BOTTOM  TRAVEL NOTES:					Ψ		
P.D = PIT DEPRESSION; B G. = BELOW GRADE; B = BELOW TH = TEST HOLE, ~ = APPROX.; T.B. = TANK BOTTOM  TRAVEL NOTES:		LABS			~ ≥ -A.	L Sans	يد . دغه ک
P.D = PIT DEPRESSION; B G. = BELOW GRADE; B = BELOW TH = TEST HOLE, ~ = APPROX.; T.B. = TANK BOTTOM  TRAVEL NOTES:		5-80-T 78			- Beard		310-2
P.D = PIT DEPRESSION; B G. = BELOW GRADE; B = BELOW TH = TEST HOLE, ~ = APPROX.; T.B. = TANK BOTTOM  TRAVEL NOTES:						,	
TH = TEST HOLE, ~ = APPROX.; T.B. = TANK BOTTOM	B D = DE DEDBESSION, D C = DELOW		W3350/				
TRAVEL NOTES: CALLOUT: ONSITE: 1/6/06	TH = TEST HOLE, ~ = APPROX.; T.B. =			-		· · · · · · · · · · · · · · · · · · ·	
	TRAVEL NOTES: CALLOUT:		ONSITE: <u>1</u>	16/06			



# EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	5-Point Composite	Date Reported:	01-10-06
Laboratory Number:	35670	Date Sampled:	01-06-06
Chain of Custody No:	15343	Date Received:	01-09-06
Sample Matrix:	Soil	Date Extracted:	01-09-06
Preservative:	Cool	Date Analyzed:	01-10-06
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.

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Comments:

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# EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	5-Point Composite	Date Reported:	01-10-06
Laboratory Number:	35670	Date Sampled:	01-06-06
Chain of Custody:	15343	Date Received:	01-09-06
Sample Matrix:	Soil	Date Analyzed:	01-10-06
Preservative:	Cool	Date Extracted:	01-09-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

		Det.	
Parameter	Concentration (ug/Kg)	Limit (ug/Kg)	···
Benzene	ND	1.8	
Toluene	11.6	1.7	
Ethylbenzene	2.3	1.5	
p,m-Xylene	9.7	2.2	
o-Xylene	3.3	1.0	
Total BTEX	26.9		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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.

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Comments:

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#### Chloride

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	5-Point Composite	Date Reported:	01-10-06
Lab ID#:	35670	Date Sampled:	01-06-06
Sample Matrix:	Soil	Date Received:	01-09-06
Preservative:	Cool	Date Analyzed:	01-09-06
Condition:	Cool and Intact	Chain of Custody:	15343

D 1			(2 / 10/ )
Parameter		Concentra	ation (mg/Kg)

Total Chloride 24.2

Reference: Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Florance Gt J3 Abandon Pit.

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# CHAIN OF CUSTODY RECORD

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Sample No./ Identification	Sample Date	Sample Time	Lab Number	GU034-010 5 9 Sample Matrix	Sample Matrix								7917 3015	377.5 202.	3					
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# EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

## **Quality Assurance Report**

Client:	QA/QC		Project #:		N/A
Sample ID:	01-10-06 QA/Q	C	Date Reported:		01-10-06
Laboratory Number:	35666		Date Sampled:		N/A
Sample Matrix:	Methylene Chlori	de	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		01-10-06
Condition:	N/A		Analysis Reque	sted:	TPH
Gasoline Range C5 - C10	I-Cal Date 3	9.9780E+002	C-Cal RF: 9.9879E+002	% Differences	Accept, Range
<del>-</del>					
Diesel Range C10 - C28	02-04-05	9.9724E+002	9.9924E+002	0.20%	0 - 15%
Blank Conc. (mg/L - mg/Kg) Gasoline Range C5 - C10		Concentration ND		Detection Limit	ķ
Diesel Range C10 - C28		ND		0.1	
Total Petroleum Hydrocarbons		ND		0.2	
Duplicate Conc. (mg/kg)	Sample	Duplicate	,%,Difference	Accept. Range	/
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%	
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%	
·Spike Conc. (mg/Kg)	Sample S	Spike Added	Spike Result		Accept. Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	ND	250	250	100.0%	75 - 125%
		_	-		

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:

QA/QC for Samples 35666 - 35671.

Analyst

Review



### **EPA METHOD 8021** AROMATIC VOLATILE ORGANICS

Sample ID:	N/A		Project #:		N/A	
Sample ID.	01-10-BTEX QA/C	QC	Date Reported: Date Sampled: Date Received:		01-10-06 N/A N/A	
Laboratory Number:	35670					
Sample Matrix:	Soil					
Preservative: N/A			Date Analyzed:		01-10-06	
Condition:	N/A		Analysis:		BTEX	
Calibration and	I-Cal RF	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	[26] [7] WARREN [28], Southern [4]	Blank	Detect.	
Detection Limits (ug/L)		Accept. Ran	ge 0 = 15%	Conc	Limit	
Benzene	2 0644E+007	2.0685E+007	0.2%	ND	0.2	
Toluene	4.9509E+007	4.9608E+007	0.2%	ND	0.2	
Ethylbenzene	3 8484E+007	3.8561E+007	0.2%	ND	0.2	
p,m-Xylene	8.1873E+007	8 2037E+007	0.2%	ND	0.2	
o-Xylene	3 8509E+007	3 8586E+007	0.2%	ND	0.1	
Benzene Toluene Ethylbenzene p,m-Xylene o-Xylene	ND 11.6 2.3 9.7 3.3	ND 11.5 2.2 9.6 3.2	0.0% 0.9% 4.3% 1.0% 3.0%	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30%	1.8 1.7 1.5 2.2 1.0	
Toluene Ethylbenzene p,m-Xylene	11.6 2.3 9.7 3.3	11.5 2.2 9.6	0.9% 4.3% 1.0%	0 - 30% 0 - 30% 0 - 30%	1.7 1.5 2.2	
Toluene Ethylbenzene p,m-Xylene o-Xylene	11.6 2.3 9.7 3.3	11.5 2.2 9.6 3.2	0.9% 4.3% 1.0% 3.0%	0 - 30% 0 - 30% 0 - 30% 0 - 30%	1.7 1.5 2.2 1.0	
Toluene Ethylbenzene p,m-Xylene o-Xylene Spike Conc. (ug/Kg)	11.6 2.3 9.7 3.3	11.5 2.2 9.6 3.2 Amount Spiked	0.9% 4.3% 1.0% 3.0%	0 - 30% 0 - 30% 0 - 30% 0 - 30%	1.7 1.5 2.2 1.0	
Toluene Ethylbenzene p,m-Xylene o-Xylene Spike Conc. (ug/Kg) Benzene Toluene	11.6 2.3 9.7 3.3 Sample	11.5 2.2 9.6 3.2 Amount Spiked 50.0 50.0	0.9% 4.3% 1.0% 3.0% Spiked Sample	0 - 30% 0 - 30% 0 - 30% 0 - 30% % Recovery 99.8% 100.0%	1.7 1.5 2.2 1.0 Accept Range	
Toluene Ethylbenzene p,m-Xylene o-Xylene Spike Conc. (ug/Kg)	11.6 2.3 9.7 3.3 Sample ND 11.6	11.5 2.2 9.6 3.2 Amount Spiked	0.9% 4.3% 1.0% 3.0% Spiked Sample 49.9 61.6	0 - 30% 0 - 30% 0 - 30% 0 - 30% % Recovery	1.7 1.5 2.2 1.0 Accept Range 39 - 150 46 - 148	

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using

Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996

Comments: QA/QC for Samples 35670 - 35671.

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