1625 N. French Dr., Hobbs, NM 88240 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410

District IV

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

Form C-144 June 1, 2004

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

1220 S. St. Francis Dr., Santa Fe, NM 87505 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 \(\sumeq\) Closure of a pit or below-grade tank \(\sumeq\) Telephone: (505)-326-9200 e-mail address: BP AMERICA PROD. CO. Operator: Address: 200 ENERGY COURT, FARMINGTON, NM 87410 U/L or Otr/Otr F Sec 8 T 31N R 11W API#: 30-045- 23174 Facility or well name: CASE B #2A Longitude 108.01609 County: SAN JUAN Latitude 36.91548 NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐ RCVD APR5'07 Pit Below-grade tank OTI CONS. DIV. Type: Drilling Production Disposal PROD. TANK Volume: bbl-Type-of-fluid: DIST. 3 Workover ☐ Emergency ☐ Construction materia Lined ☑ Unlined ☐ STEEL TANK Double-walled, with leak of tection? Yes I If not, explain why not. Liner type: Synthetic Thickness mil Clay Pit Volume Less than 50 feet (20 points) Depth to ground water (vertical distance from bottom of pit to seasonal 0 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 0 No (0 points) water source, or less than 1000 feet from all other water sources.) 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) 0 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 relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite \(\square\) offsite \(\square\) If offsite, name of facility . (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No 🖾 Yes 🔲 If yes, show depth below ground surface ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations. Additional Comments PIT LOCATED APPROXIMATELY 111 FT. S19E FROM WELL HEAD. PIT EXCAVATION: WIDTH N/Aft., LENGTH N/Aft., DEPTH N/Aft. PIT REMEDIATION: CLOSE AS IS: Ø, LANDFARM: □, COMPOST: □, STOCKPILE: □, OTHER □ (explain) Cubic yards: N/A BEDROCK BOTTOM. 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 \(\sigma \), a general permit \(\subseteq \), or an alternative OCD-approved plan \(\sigma \). 05/30/06 Jeff Blagg – P.E. # 11607 PrintedName/Title Signature Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations. Lopuly Oil & Gas Inspector, District #3 Approval: AUG 0 9 2007 Printed Name/Title_

SU-045-63117	36.7	11570 × 140	1,0100	7		
CLIENT: BP	BLAGG P.O. BOX 8	ENGINE 7, BLOOM		•	LOCATION NO	
	(50	05) 632-11	99		COCR NO:	14652
FIELD REPORT	: PIT CLO	SURE VI	ERIF	CATION		
LOCATION: NAME: CASE QUAD/UNIT: F SEC: 8				PROD.	DATE STARTED: _ DATE FINISHED: _	
QTR/FOOTAGE: 1670 FN					ENVIRONMENTAL SPECIALIST:	ICB
EXCAVATION APPROX					 	J
DISPOSAL FACILITY:					_	<u> </u>
LAND USE: RANGE - BL						
FIELD NOTES & REMAR				1 FT. S		
DEPTH TO GROUNDWATER: >/6				NEAREST SURF		
NMOCD RANKING SCORE:		SURE STD:S	000 PF	PM		
SOIL AND EXCAVATIO				OVM CALIB. REA	D. = 52.0 ppm	
OOL AND EXOAVATIO	N DEGCKII TIO	TO 10			= <u>(00</u> ppm _ (and pm DATE: _	
 SOIL TYPE: SAND / SILTY SAN	D / SILT / SILTY CLA	/ Ŷ)/ CLAY / GRAV	EL OTHI			
SOIL COLOR.						
COHESION (ALL OTHERS): NON CO CONSISTENCY (NON COHESIVE SO				CONESIVE		
PLASTICITY (CLAYS). NON PLASTIC				HIGHLY PLASTIC	The state of the s	
DENSITY (COHESIVE CLAYS & SILTS MOISTURE DRY SLIGHTLY MOIST					(cic	75ED/
DISCOLORATION/STAINING OBSERV	VED: (YES) NO EXPLAN	IATION - LIY	2 Gray	,		
HC ODOR DETECTED: YES NO EX	PLANATION - MO	DERATE				
SAMPLE TYPE GRAB / COMPOSITE ADDITIONAL COMMENTS.	* # OF F13.	12'×12'	×6'±	Deep Pit 4	1 45 BBL S	iteel tank.
BEDIES CK		USE BACK	EHUE TO	Pil tank	« Soupho.	
		FIELD 4	18.1 CALC	ULATIONS		
SCALE SAMP. TIM	IE SAMP. ID	LAB NO. WE	IGHT (g)	mL FREON DI	LUTION READING	GALC. (ppm)
0 FT						
- f					DIT DDOE	
N PIT PERIMET	ER	O\/N4			PIT PROFIL	
1 Toll		OVM READIN	G			
, ,	\$		D HEADSPACE (ppm)	7		
- 12'-	<u>→</u> 1				- 42 *	
(4)	\vec{a}	@		_		
		@	······	-		(T
A i (c)	12- 2- 0	(e10) Z	ط 0			
	4	ptelo" Z	Z8	6		
					,	/ 10
(4)						
	Si	LAB SAMP				
\		CIU T/5/6	1205		PRE SHALESTO	VE
TANK Foot	4	-PE YI	1215	1//		i /
PD = PIT DEPRESSION, B.G = BELOW	GRADE; B = BELOW	PRSSE	2/			
TH = TEST HOLE, ~ = APPROX., T B. =	TANK BOTTOM					· · · · · · · · · · · · · · · · · · ·
TRAVEL NOTES. CALLOUT:		0	NSITE: _	123/06		



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	4-Pt @ 10'	Date Reported:	05-31-06
Laboratory Number:	37242	Date Sampled:	05-23-06
Chain of Custody No:	14652	Date Received:	05-24-06
Sample Matrix:	Soil	Date Extracted:	05-25-06
Preservative:	Cool	Date Analyzed:	05-31-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.6	0.2
Diesel Range (C10 - C28)	16.4	0.1
Total Petroleum Hydrocarbons	17.0	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:

Case B #2A Prod. Pit.

Analyst P. Charles

Mustine m Watters Review



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	4-Pt @ 10'	Date Reported:	05-31-06
Laboratory Number:	37242	Date Sampled:	05-23-06
Chain of Custody:	14652	Date Received:	05-24-06
Sample Matrix:	Soil	Date Analyzed:	05-31-06
Preservative:	Cool	Date Extracted:	05-25-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

		Det.
_	Concentration	Limit
Parameter	(ug/Kg)	(ug/Kg)
Benzene	ND	1.8
Toluene	7.2	1.7
Ethylbenzene	ND /	1.5
p,m-Xylene	100	2.2
o-Xylene	15.4	1.0
Total BTEX	123	

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.

Comments:

Case B #2A Prod. Pit.

Analyst P. Or

Review Walter



Chloride

94034-010 Project #: Blagg / BP Client: 05-31-06 4-Pt @ 10' Date Reported: Sample ID: Lab ID#: 37242 Date Sampled: 05-23-06 Date Received: 05-24-06 Soil Sample Matrix: 05-25-06 Preservative: Cool Date Analyzed: Condition: Cool and Intact Chain of Custody: 14652

Parameter Concentration (mg/Kg)

Total Chloride 24.0

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

Comments: Case B #2A Prod. Pit.

Mistre m Walters Analyst



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	C @ 10'	Date Reported:	05-31-06
Laboratory Number:	37241	Date Sampled:	05-23-06
Chain of Custody No:	14652	Date Received:	05-24-06
Sample Matrix:	Soil	Date Extracted:	05-25-06
Preservative:	Cool	Date Analyzed:	05-31-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.9	0.2
Diesel Range (C10 - C28)	3.1	0.1
Total Petroleum Hydrocarbons	4.0	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:

Case B #2A Prod. Pit.

Analyst C. Are com

Review Maltes



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	C @ 10'	Date Reported:	05-31-06
Laboratory Number:	37241	Date Sampled:	05-23-06
Chain of Custody:	14652	Date Received:	05-24-06
Sample Matrix:	Soil	Date Analyzed:	05-31-06
Preservative:	Cool	Date Extracted:	05-25-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)		
Benzene	ND	1.8		
Toluene	11.5	1.7		
Ethylbenzene	6.7	1.5		
p,m-Xylene	194	2.2		
o-Xylene	28.5	1.0		
Total BTEX	241			

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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.

Comments:

Case B #2A Prod. Pit.

Analyst P. Oplinson

Mister m Wasters
Review



Chloride

Project #: 94034-010 Blagg / BP Client: 05-31-06 Sample ID: C @ 10' Date Reported: Lab ID#: 37241 Date Sampled: 05-23-06 Date Received: 05-24-06 Sample Matrix: Soil Date Analyzed: 05-25-06 Preservative: Cool Chain of Custody: 14652 Condition: Cool and Intact

Parameter Concentration (mg/Kg)

Total Chloride 38.0

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

Comments: Case B #2A Prod. Pit.

Analyst Mustin Malters

CHAIN OF CUSTODY RECORD

ient / Project Name Project Location				ANALYSIS / PARAMETERS											
BLAGG/BP			CASE	B #ZA		ANALIGIO / FARIANLI LITO									
Sampler:			Client No.			ဖွ						Ren	narks		
9. c. 30	-99		94034	-010		No. of ontainer	7	山	,				•		
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	d	No. of Containers	E C	BTEX	5						
C & 10'	5/23/06	1205	37241	SOIL		1	×	×	×		Preod.	Pi	7	<u>-</u>	
4-PEQ10'	i	1215	37242	**		1	×	×	×		t				
C @ 9'	11	1305		n		1	X	X	K		DEH	· P	iT		
4-12 69	0 (1312	ز ا	e		1	X	X	X		t	(
,															
Relinquished by: (Signatu	ıre)			Date Time	Receive	ed by: (Signatu	ıre)	1		<u> </u>	Da	ate		me
	<u> </u>		5/.	24/06 1530	Receive	Nist	Tu 1	$\gamma \mathcal{U}$	Ice	ltn		5/2	24/04	. 15	<u>3</u> 5
Relinquished by: (Signatu	ıré) /		*		Receive	ed by: (Signatu	ire)							E-A
Relinquished by: (Signatu	ıre)				Receive	ed by: (Signatu	ıre)							
				ENVIRO	TEC		100	~			Samp	le Re	ceipt	1,	
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				Farmington, 1 (505)	New Me) 632-06		8/4U	I			Cool - Ice/Blue	Ice	سا		



EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

					
Client:	QA/QC		Project #:		N/A
Sample ID:	05-31-06 QA/0	QC	Date Reported:		05-31-06
Laboratory Number:	37237		Date Sampled:		N/A
Sample Matrix:	Methylene Chlo	ride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		05-31-06
Condition:	N/A		Analysis Reques	ted:	TPH
	I-Cal Date	I-Cal/RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	02-04-05	1.0066E+003	1.0076E+003	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	9.9888E+002	1.0009E+003	0.20%	0 - 15%
error de l'entre estre de la la Company des principal management entre les parties			***************************************	VIII VIII VIII VIII VIII VIII VIII VII	2004
Blank Conc. (mg/L - mg/Kg		Concentration		Detection Lim	it.
Gasoline Range C5 - C10		ND		0.2	
Diesel Range C10 - C28		ND		0.1	
Total Petroleum Hydrocarbons		ND		0.2	
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Rang	> ~~~ 3
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%	
Diesel Range C10 - C28	1.2	1.2	0.0%	0 - 30%	
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
				economican-communications in the design of the Total	earananearannonearan earan sean e garin e
Gasoline Range C5 - C10	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 37237 - 37244, 37249 - 37250.

Analyat



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: Sample ID:	N/A 05-31-BTEX QA/QC 37237	Project #: Date Reported:	N/A 05-31-06
Laboratory Number: Sample Matrix:	Soil	Date Sampled: Date Received:	N/A N/A
Preservative: Condition:	N/A N/A	Date Analyzed: Analysis:	05-31-06 BTEX

Calibration and Detection Limits (ug/L)	l-Cal RF:	C-Cal RF: Accept Rang	%Diff. je 0 - 15%	Blank Conc	Detect. Limit
Benzene	6.4462E+005	6.4592E+005	0.2%	ND	0.2
Toluene	7.8299E+007	7.8456E+007	0.2%	ND	0.2
Ethylbenzene	4.1978E+007	4.2062E+007	0.2%	ND	0.2
p,m-Xylene	1.7208E+008	1.7243E+008	0.2%	ND	0.2
o-Xylene	8.6785E+007	8.6959E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample Du	iplicate	%Diff.	Accept Range	Detect: Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	4.2	4.2	0.0%	0 - 30%	1.7
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.5
p,m-Xylene	15.0	14.9	0.7%	0 - 30%	2.2
o-Xylene	5.5	5.5	0.0%	0 - 30%	1.0

Spike Conc. (ug/Kg)	Sample Amo	ount Spiked Spik	(eo Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	4.2	50.0	54.1	99.8%	46 - 148
Ethylbenzene	ND	50.0	50.0	100.0%	32 - 160
p,m-Xylene	15.0	100	114	99.5%	46 - 148
o-Xylene	5.5	50.0	55.4	99.8%	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,

December 1996.

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 37237 - 37244.

Analyst / Re