

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 office

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 ☐ Closure of a pit or below-grade tank ☒

Operator: <u>BP AMERICA PROD. CO.</u> Telephone: <u>(505)-326-9200</u> e-mail address: _____		
Address: <u>200 ENERGY COURT, FARMINGTON, NM 87410</u>		
Facility or well name: <u>RUSSELL A #5A</u> API #: <u>30-045- 23721</u> U/L or Qtr/Qtr <u>I</u> Sec <u>25</u> T <u>28N</u> R <u>8W</u>		
County: <u>SAN JUAN</u> Latitude <u>36.63014</u> Longitude <u>107.62663</u> NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐		
Pit Type: Drilling ☐ Production ☒ Disposal ☐ <u>SEPARATOR</u> Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ <u>STEEL TANK</u> Liner type: Synthetic ☐ Thickness _____ mil Clay ☐ Pit Volume _____ bbl	Below-grade tank Volume: _____ bbl Type of fluid: <u>N/A</u> Construction material: <u>N/A</u> Double-walled, with leak detection? Yes ☐ No ☒ If not, explain why not. _____	RCVD APR 5 '07 OIL CONS. DIV. DIST. 3
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) <u>0</u> (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) <u>0</u>
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) <u>0</u> (0 points)
Ranking Score (Total Points)		<u>0</u>

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 you are burying in place) onsite ☒ offsite ☐ 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: <u>PIT LOCATED APPROXIMATELY 120 FT. S71E FROM WELL HEAD.</u>
<u>PIT EXCAVATION: WIDTH N/A ft., LENGTH N/A ft., DEPTH N/A ft.</u>
<u>PIT REMEDIATION: CLOSE AS IS: ☒ LANDFARM: ☐ COMPOST: ☐ STOCKPILE: ☐ OTHER ☐ (explain)</u>
Cubic yards: <u>N/A</u>
<u>BEDROCK BOTTOM.</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 above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an alternative OCD-approved plan ☒.

Date: 05/22/06

Printed Name/Title Jeff Blagg - P.E. # 11607

Signature [Signature]

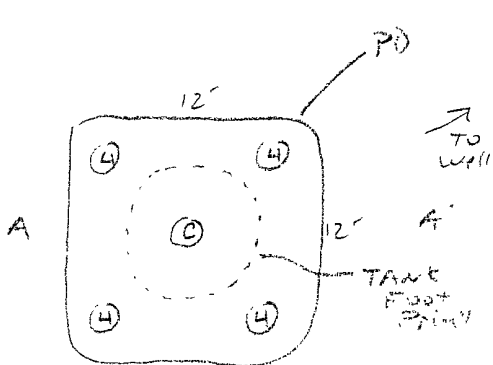
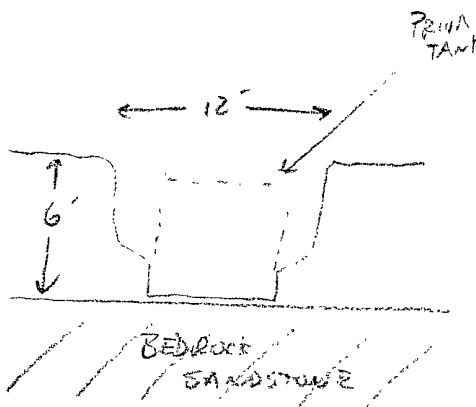
Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval: Deputy Oil & Gas Inspector,
District #3

Printed Name/Title _____

Signature [Signature]

Date: AUG 02 2007

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>B1054</u> COCR NO: <u>14649</u>																																
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																
LOCATION: NAME: <u>RUSSELL A</u> WELL#: <u>5A</u> TYPE: <u>SEP</u> QUAD/UNIT <u>I</u> SEC: <u>25</u> TWP: <u>28N</u> RNG: <u>8W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1790 FSL x 990 FEL N1/4SE</u> CONTRACTOR: <u>L+R - MIKE</u>		DATE STARTED <u>5-16-06</u> DATE FINISHED <u>5-16-06</u> ENVIRONMENTAL SPECIALIST: <u>JLB</u>																																
EXCAVATION APPROX. <u>NA</u> FT. x <u>NA</u> FT. x <u>NA</u> FT. DEEP. CUBIC YARDAGE: <u>0</u>																																		
DISPOSAL FACILITY: <u>NA</u> REMEDIATION METHOD: <u>CLOSURE</u>																																		
LAND USE: <u>RANGE - BLM</u> LEASE: <u>NM 013860A</u> FORMATION: <u>MV</u>																																		
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>120</u> FT. <u>S 71 E</u> FROM WELLHEAD																																		
DEPTH TO GROUNDWATER: <u>2100</u> NEAREST WATER SOURCE: <u>21000</u> NEAREST SURFACE WATER <u>21000</u>																																		
NMOCD RANKING SCORE: <u>0</u> NMOCD TPH CLOSURE STD: <u>5000</u> PPM																																		
SOIL AND EXCAVATION DESCRIPTION:		OVM CALIB. READ. = <u>53.7</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = 0.52 TIME: <u>1200</u> am/pm DATE <u>5/16</u>																																
SOIL TYPE: <u>SAND</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / <u>OTHER</u> <u>BEDROCK SS @ 6'</u> SOIL COLOR: <u>0-6'</u> COHESION (ALL OTHERS): <u>NON COHESIVE</u> / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): <u>LOOSE</u> / FIRM / DENSE / VERY DENSE PLASTICITY (CLAYS) <u>NON PLASTIC</u> / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): <u>SOFT</u> / FIRM / STIFF / VERY STIFF / HARD MOISTURE <u>DRY</u> / <u>SLIGHTLY MOIST</u> / MOIST / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: <u>YES</u> / NO EXPLANATION - HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION - SAMPLE TYPE <u>GRAB</u> / COMPOSITE - # OF PTS ADDITIONAL COMMENTS: <u>12'x12'x6" DEEP PIT w/ 45 DEG STEEP SLOPE -</u> <u>BEDROCK BOTTOM</u> <u>BASE NOT EXPOSED - USE BACKLOG TO PULL TANK & SAMPLE. FIRM SAND -</u> <u>STONE BELOW TANK. PREVIOUSLY AN EARTHEN PIT (Prior to JULY 1998)</u>																																		
FIELD 418.1 CALCULATIONS																																		
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TRAVEL NOTES: CALLOUT: _____ ONSITE: <u>5/16/06</u>																																		

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Blagg / BP
Sample ID: 4 - Pt @ 6'
Laboratory Number: 37143
Chain of Custody No: 14649
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

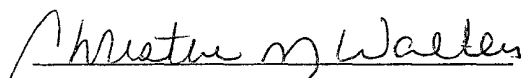
Project #: 94034-010
Date Reported: 05-18-06
Date Sampled: 05-16-06
Date Received: 05-17-06
Date Extracted: 05-17-06
Date Analyzed: 05-17-06
Analysis Requested: 8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2.1	0.2
Diesel Range (C10 - C28)	66.3	0.1
Total Petroleum Hydrocarbons	68.4	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: **Russell A 5A Sep Pit.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	4 - Pt @ 6'	Date Reported:	05-18-06
Laboratory Number:	37143	Date Sampled:	05-16-06
Chain of Custody:	14649	Date Received:	05-17-06
Sample Matrix:	Soil	Date Analyzed:	05-17-06
Preservative:	Cool	Date Extracted:	05-17-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	6.6	1.8
Toluene	21.4	1.7
Ethylbenzene	ND	1.5
p,m-Xylene	108	2.2
o-Xylene	18.5	1.0
Total BTEX	155	

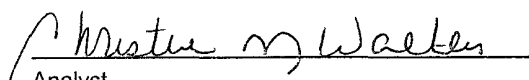
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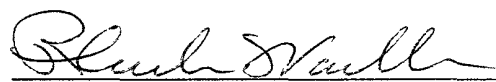
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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: Russell A 5A Sep Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	4 Pt @ 6'	Date Reported:	05-17-06
Lab ID#:	37143	Date Sampled:	05-16-06
Sample Matrix:	Soil	Date Received:	05-17-06
Preservative:	Cool	Date Analyzed:	05-17-06
Condition:	Cool and Intact	Chain of Custody:	14649

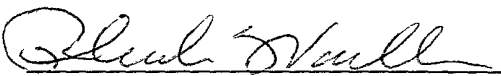
Parameter	Concentration (mg/Kg)
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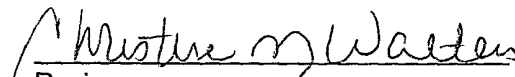
Total Chloride

54.0

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

Comments: Russell A 5A Sep Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

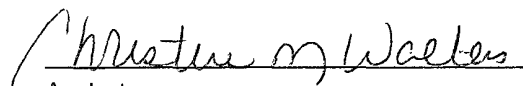
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	C @ 6'	Date Reported:	05-18-06
Laboratory Number:	37142	Date Sampled:	05-16-06
Chain of Custody No:	14649	Date Received:	05-17-06
Sample Matrix:	Soil	Date Extracted:	05-17-06
Preservative:	Cool	Date Analyzed:	05-17-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3.0	0.2
Diesel Range (C10 - C28)	86.5	0.1
Total Petroleum Hydrocarbons	89.5	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: **Russell A 5A Sep Pit.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	C @ 6'	Date Reported:	05-18-06
Laboratory Number:	37142	Date Sampled:	05-16-06
Chain of Custody:	14649	Date Received:	05-17-06
Sample Matrix:	Soil	Date Analyzed:	05-17-06
Preservative:	Cool	Date Extracted:	05-17-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	7.1	1.8
Toluene	23.7	1.7
Ethylbenzene	9.1	1.5
p,m-Xylene	352	2.2
o-Xylene	68.4	1.0
Total BTEX	460	

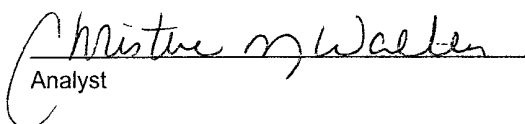
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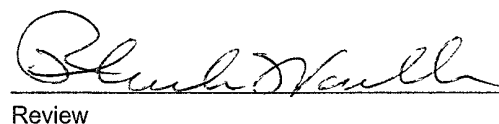
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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: Russell A 5A Sep Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	C @ 6'	Date Reported:	05-17-06
Lab ID#:	37142	Date Sampled:	05-16-06
Sample Matrix:	Soil	Date Received:	05-17-06
Preservative:	Cool	Date Analyzed:	05-17-06
Condition:	Cool and Intact	Chain of Custody:	14649

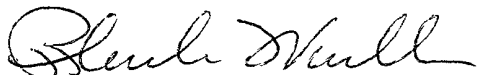
Parameter	Concentration (mg/Kg)
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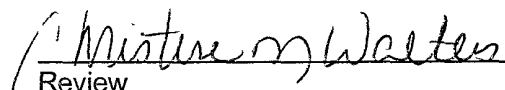
Total Chloride

92.0

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

Comments: Russell A 5A Sep Pit.


Analyst


Review

14649

san juan reproduction 578-129

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	05-17-06 QA/QC	Date Reported:	05-18-06
Laboratory Number:	37135	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-17-06
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RE:	C-Cal RE:	% Difference	Accept. Range
Gasoline Range C5 - C10	02-04-05	2.2994E+003	2.3017E+003	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	2.6239E+003	2.6291E+003	0.20%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

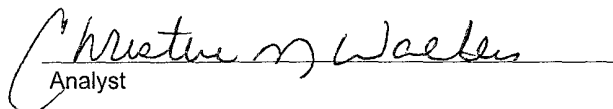
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	1.5	1.5	0.0%	0 - 30%

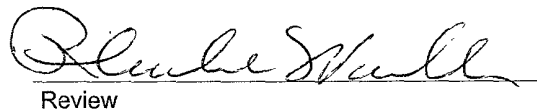
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	1.5	250	251	99.8%	75 - 125%

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 37135, 37140 - 37143.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	05-17-BTEX QA/QC	Date Reported:	05-18-06
Laboratory Number:	37140	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-17-06
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept. Range 0 - 15%			
Benzene	3.9658E+007	3.9735E+007	0.2%	ND	0.2
Toluene	0.0000E+000	0.0000E+000	ERR	ND	0.2
Ethylbenzene	5.0877E+007	5.0979E+007	0.2%	ND	0.2
p,m-Xylene	1.6425E+008	1.6458E+008	0.2%	ND	0.2
o-Xylene	7.9173E+007	7.9332E+007	0.2%	ND	0.1

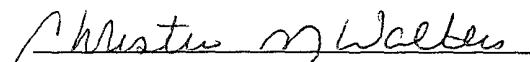
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	26.7	26.6	0.4%	0 - 30%	1.7
Ethylbenzene	8.2	8.1	1.2%	0 - 30%	1.5
p,m-Xylene	45.8	45.8	0.0%	0 - 30%	2.2
o-Xylene	13.5	13.3	1.5%	0 - 30%	1.0

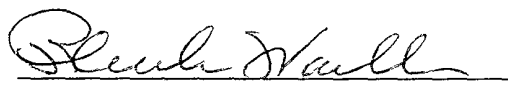
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	50.0	100.0%	39 - 150
Toluene	26.7	50.0	76.6	99.9%	46 - 148
Ethylbenzene	8.2	50.0	58.1	99.8%	32 - 160
p,m-Xylene	45.8	100	144	98.6%	46 - 148
o-Xylene	13.5	50.0	63.4	99.8%	46 - 148

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 37140 - 37143.


Analyst


Review