

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

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
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>PRITCHARD #8E</u> API #: <u>30-045- 25465</u> U/L or Qtr/Qtr <u>N</u> Sec <u>4</u> T <u>29N</u> R <u>8W</u>		
County: <u>SAN JUAN</u> Latitude <u>36.74976</u> Longitude <u>107.68232</u> NAD: 1927 <input type="checkbox"/> 1983 <input checked="" type="checkbox"/> Surface Owner Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>		
Pit Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input checked="" type="checkbox"/> <u>ABANDON</u> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input checked="" type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction material: <u>N/A</u> Double-walled, with leak detection? Yes <input type="checkbox"/> 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) <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 90 FT. N8W 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: <input checked="" type="checkbox"/> LANDFARM: <input type="checkbox"/> COMPOST: <input type="checkbox"/> STOCKPILE: <input type="checkbox"/> OTHER <input type="checkbox"/> (explain)</u>
Cubic yards: <u>N/A</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: 11/05/05

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

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, DIST. 8 Signature [Signature] Date: FEB 28 2006

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>B1686</u> COCR NO: <u>15007</u>
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>PRITCHARD</u> WELL #: <u>8E</u> TYPE: <u>ABANDON</u> QUAD/UNIT: <u>N</u> SEC: <u>4</u> TWP: <u>29N</u> RNG: <u>8W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1090 FSL x 1730 FWL SE1SW</u> CONTRACTOR: <u>PXS (FERNANDO)</u>		DATE STARTED: <u>11-1-05</u> DATE FINISHED: <u>11-1-05</u> ENVIRONMENTAL SPECIALIST: <u>JCB</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>CLOSE AS IS</u>		
LAND USE: <u>RANGE - BUN</u> LEASE: <u>SF - 078487</u> FORMATION: <u>DK</u>		
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>90'</u> FT. <u>N&W</u> FROM WELLHEAD.		
DEPTH TO GROUNDWATER: <u>>100</u> NEAREST WATER SOURCE: <u>>1000</u> NEAREST SURFACE WATER: <u>>1000</u>		
NMOCD RANKING SCORE: <u>0</u> NMOCD TPH CLOSURE STD: <u>5000</u> PPM		
SOIL AND EXCAVATION DESCRIPTION:		OVM CALIB. READ. = <u>52.1</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = 0.52 TIME: <u>1040</u> am/pm DATE: <u>11-1-05</u>
SOIL TYPE: SAND / SILTY SAND / SILT / <u>SILTY CLAY</u> / CLAY / GRAVEL / OTHER		
SOIL COLOR: <u>PURPLE</u>		
COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / <u>COHESIVE</u> / HIGHLY COHESIVE		
CONSISTENCY (NON COHESIVE SOILS): LOOSE / <u>FIRM</u> / DENSE / VERY DENSE		
PLASTICITY (CLAYS): NON PLASTIC / <u>SLIGHTLY PLASTIC</u> / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC		
DENSITY (COHESIVE CLAYS & SILTS): SOFT / <u>FIRM</u> / <u>STIFF</u> / VERY STIFF / HARD		
MOISTURE: DRY / <u>SLIGHTLY MOIST</u> / MOIST / WET / SATURATED / SUPER SATURATED		
DISCOLORATION/STAINING OBSERVED: YES / <u>NO</u> EXPLANATION -		
HC ODOR DETECTED: YES / <u>NO</u> EXPLANATION -		
SAMPLE TYPE: GRAB / <u>COMPOSITE</u> # OF PTS. <u>3</u>		
ADDITIONAL COMMENTS: <u>15' x 15' x 4' Deep Earthen Pit. Use</u> <u>BAFFLE to dig test trench & sample.</u>		

FIELD 418.1 CALCULATIONS							
SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)

SCALE

0 FT

PIT PERIMETER

OVM READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @	
2 @	
3 @	
4 @	
5 @	
3-Point	12.1
Composite	
7'	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
3-Point	TPH/BTEX	0912

PASSED

PIT PROFILE

P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW
T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM

TRAVEL NOTES:	CALLOUT: _____	ONSITE: <u>11-1-05</u>
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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

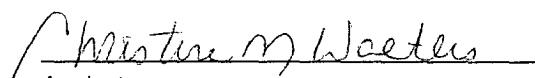
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	3-Pt @ 7'	Date Reported:	11-05-05
Laboratory Number:	34861	Date Sampled:	11-01-05
Chain of Custody No:	15007	Date Received:	11-01-05
Sample Matrix:	Soil	Date Extracted:	11-03-05
Preservative:	Cool	Date Analyzed:	11-04-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH


Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.8	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	1.8	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: **Pritchard 8E Abandon 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:	3-Pt @ 7'	Date Reported:	11-04-05
Laboratory Number:	34861	Date Sampled:	11-01-05
Chain of Custody:	15007	Date Received:	11-01-05
Sample Matrix:	Soil	Date Analyzed:	11-04-05
Preservative:	Cool	Date Extracted:	11-03-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	63.0	1.7
Ethylbenzene	76.7	1.5
p,m-Xylene	1,360	2.2
o-Xylene	288	1.0
Total BTEX	1,790	

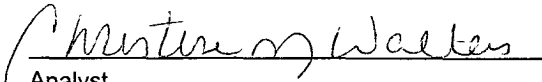
ND - Parameter not detected at the stated detection limit.

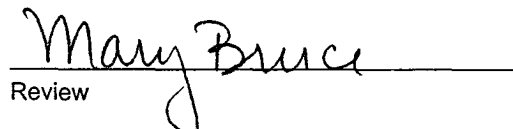
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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: Pritchard 8E Abandon Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	3-Pt @ 7'	Date Reported:	11-05-05
Lab ID#:	34861	Date Sampled:	11-01-05
Sample Matrix:	Soil	Date Received:	11-01-05
Preservative:	Cool	Date Analyzed:	11-03-05
Condition:	Cool and Intact	Chain of Custody:	15007

Parameter	Concentration (mg/Kg)
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Total Chloride

56.0

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

Comments: Pritchard 8E Abandon Pit.

Mary Bruce
Analyst

Christine Waeles
Review

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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: BP AMERICA PROD. CO. Telephone: (505)-326-9200 e-mail address: _____
Address: 200 ENERGY COURT, FARMINGTON, NM 87410
Facility or well name: PRITCHARD #8E API #: 30-045- 25465 U/L or Qtr/Qtr N Sec 4 T 29N R 8W
County: SAN JUAN Latitude 36.74976 Longitude 107.68232 NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit

Type: Drilling ☐ Production ☐ Disposal ☒ DEHYDRATOR
Workover ☐ Emergency ☐
Lined ☐ Unlined ☒
Liner type: Synthetic ☐ Thickness _____ mil Clay ☐
Pit Volume _____ bbl

Below-grade tank

Volume: _____ bbl Type of fluid: _____
Construction material: N/A
Double-walled, with leak detection? Yes ☐ 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	(20 points)	0
	50 feet or more, but less than 100 feet	(10 points)	
	100 feet or more	(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	(20 points)	0
	No	(0 points)	
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet	(20 points)	0
	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) 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: PIT LOCATED APPROXIMATELY 108 FT. N46E FROM WELL HEAD.
PIT EXCAVATION: WIDTH N/A ft., LENGTH N/A ft., DEPTH N/A ft.
PIT REMEDIATION: CLOSE AS IS: ☒, LANDFARM: ☐, COMPOST: ☐, STOCKPILE: ☐, OTHER ☐ (explain)
Cubic yards: N/A

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: 11/05/05

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

Signature Jeff C. Blagg


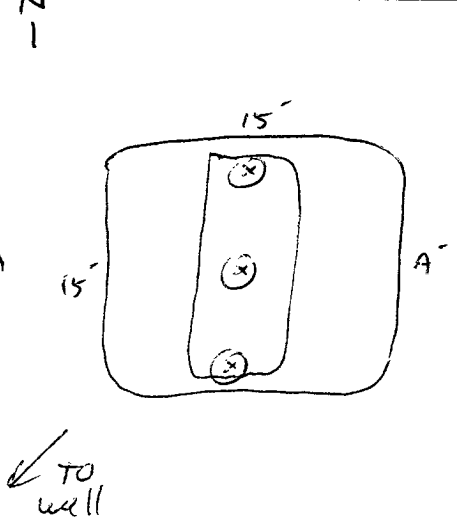
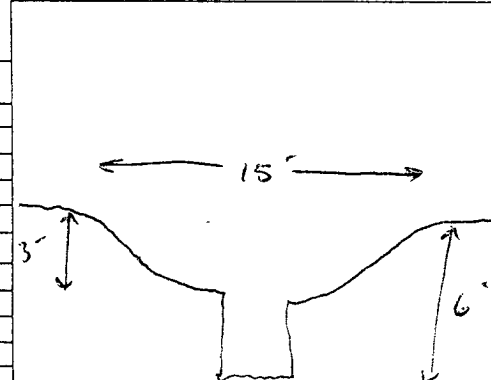
Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with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

Approval: DEPUTY OIL & GAS INSPECTOR, DIST. #3

Printed Name/Title

Signature Bob Bell

Date: FEB 28 2006

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>B1686</u> COCR NO: <u>15007</u>																																				
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																				
LOCATION: NAME: <u>PRITCHARD</u> WELL #: <u>8E</u> TYPE: <u>DEHY</u> QUAD/UNIT: <u>N</u> SEC: <u>4</u> TWP: <u>29N</u> RNG: <u>8W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1090 FSL x 1730 FWL SE(SW)</u> CONTRACTOR: <u>PXS (FERNANDO)</u>		DATE STARTED: <u>11-1-05</u> DATE FINISHED: <u>11-1-05</u> ENVIRONMENTAL SPECIALIST: <u>JCB</u>																																				
EXCAVATION APPROX. <u>NA</u> FT. x <u>NA</u> FT. x <u>NA</u> FT. DEEP. CUBIC YARDAGE: <u>0</u>																																						
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LAND USE: <u>RANGE - BUR</u> LEASE: <u>SF-078487</u> FORMATION: <u>DK</u>																																						
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DEPTH TO GROUNDWATER: <u>>100</u> NEAREST WATER SOURCE: <u>>1000</u> NEAREST SURFACE WATER: <u>>1000</u>																																						
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SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>clayey sand</u> SOIL COLOR: <u>DARK BROWN w/ Purple streaks</u> COHESION (ALL OTHERS): NON COHESIVE / <u>SLIGHTLY COHESIVE</u> / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): LOOSE / <u>FIRM</u> / DENSE / VERY DENSE PLASTICITY (CLAYS): NON PLASTIC / <u>SLIGHTLY PLASTIC</u> / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): SOFT / <u>FIRM</u> / STIFF / VERY STIFF / HARD MOISTURE: DRY / <u>SLIGHTLY MOIST</u> / MOIST / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: <u>YES</u> / NO EXPLANATION: <u>V.V. Minor Gray streaks</u> HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION: <u>Moderate</u> SAMPLE TYPE: GRAB / <u>COMPOSITE</u> - # OF PTS. <u>3</u> ADDITIONAL COMMENTS: <u>15'x15'x3" Deep Earth Pit. Use Backhoe to dig test trench across pit & sample.</u>																																						
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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

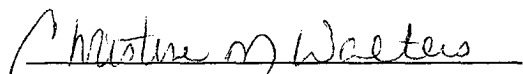
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	3-Pt @ 6'	Date Reported:	11-05-05
Laboratory Number:	34860	Date Sampled:	11-01-05
Chain of Custody No:	15007	Date Received:	11-01-05
Sample Matrix:	Soil	Date Extracted:	11-03-05
Preservative:	Cool	Date Analyzed:	11-04-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH


Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	363	0.2
Diesel Range (C10 - C28)	42.8	0.1
Total Petroleum Hydrocarbons	406	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: **Pritchard 8E Dehy 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:	3-Pt @ 6'	Date Reported:	11-04-05
Laboratory Number:	34860	Date Sampled:	11-01-05
Chain of Custody:	15007	Date Received:	11-01-05
Sample Matrix:	Soil	Date Analyzed:	11-04-05
Preservative:	Cool	Date Extracted:	11-03-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	2,340	1.7
Ethylbenzene	2,730	1.5
p,m-Xylene	23,500	2.2
o-Xylene	6,940	1.0
Total BTEX	35,500	

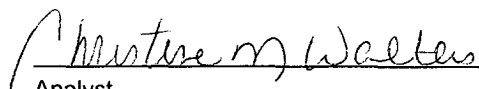
ND - Parameter not detected at the stated detection limit.

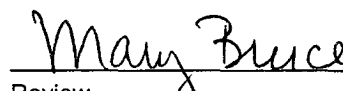
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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: Pritchard 8E Dehy Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	3-Pt @ 6'	Date Reported:	11-05-05
Lab ID#:	34860	Date Sampled:	11-01-05
Sample Matrix:	Soil	Date Received:	11-01-05
Preservative:	Cool	Date Analyzed:	11-03-05
Condition:	Cool and Intact	Chain of Custody:	15007

Parameter

Concentration (mg/Kg)

Total Chloride

68.0

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

Comments: Pritchard 8E Dehy Pit.

Analyst

Mary Bruce

Review

Christopher W. Wadley

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

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 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: BP AMERICA PROD. CO. Telephone: (505)-326-9200 e-mail address: _____
Address: 200 ENERGY COURT, FARMINGTON, NM 87410
Facility or well name: PRITCHARD #8E API #: 30-045- 25465 U/L or Qtr/Qtr N Sec 4 T 29N R 8W
County: SAN JUAN Latitude 36.74976 Longitude 107.68232 NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit	Below-grade tank	
Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input checked="" type="checkbox"/> PRODUCTION TANK Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input checked="" type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Volume: _____ bbl Type of fluid: <u>N/A</u> Construction material: <u>N/A</u> Double-walled, with leak detection? Yes <input type="checkbox"/> 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	(20 points)
	50 feet or more, but less than 100 feet	(10 points) 0
	100 feet or more	(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	(20 points)
	No	(0 points) 0
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet	(20 points)
	200 feet or more, but less than 1000 feet	(10 points) 0
	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 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: **PIT LOCATED APPROXIMATELY 102 FT. S82W FROM WELL HEAD.**
PIT EXCAVATION: WIDTH N/Aft., LENGTH N/Aft., DEPTH N/Aft.
PIT REMEDIATION: CLOSE AS IS: ☒, LANDFARM: ☐, COMPOST: ☐, STOCKPILE: ☐, OTHER ☐ (explain)
Cubic yards: N/A
BEDROCK BOTTOM


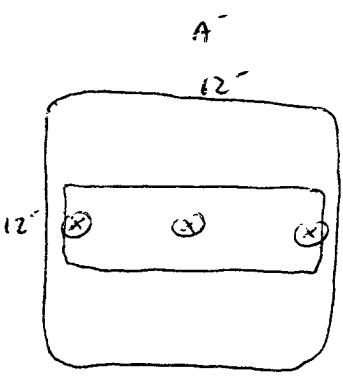
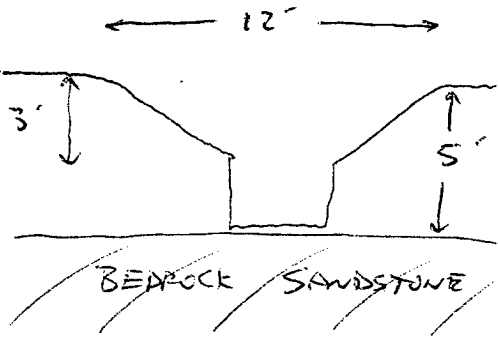
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an alternative OCD-approved plan ☒.

Date: 11/05/05

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

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, DIST. 4 Signature [Signature] Date: FEB 28 2006
Printed Name/Title _____

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>81686</u> COCR NO: <u>1507</u>																																								
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																								
LOCATION: NAME: <u>PRITCHARD</u> WELL #: <u>8E</u> TYPE: <u>PRODUCTION</u> QUAD/UNIT: <u>N</u> SEC: <u>4</u> TWP: <u>29N</u> RNG: <u>8W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1090 FSL x 1730 FWL JELW</u> CONTRACTOR: <u>PXS (FERNANDO)</u>		DATE STARTED: <u>11-1-05</u> DATE FINISHED: <u>11-1-05</u> ENVIRONMENTAL SPECIALIST: <u>JCB</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>CLOSE AS IS</u>																																										
LAND USE: <u>RANGE - BUN</u> LEASE: <u>SF-078487</u> FORMATION: <u>DK</u>																																										
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>102</u> FT. <u>S82W</u> FROM WELLHEAD.																																										
DEPTH TO GROUNDWATER: <u>>100</u> NEAREST WATER SOURCE: <u>>1000</u> NEAREST SURFACE WATER: <u>>1000</u>																																										
NMOC D RANKING SCORE: <u>0</u> NMOC D TPH CLOSURE STD: <u>5000</u> PPM																																										
SOIL AND EXCAVATION DESCRIPTION: OVM CALIB. READ. = <u>52.1</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = 0.52 TIME: <u>1040</u> (am/pm) DATE: <u>11-1-05</u>																																										
SOIL TYPE: SAND / SILTY SAND / SILT <u>(SILTY CLAY)</u> CLAY / GRAVEL / OTHER <u>BEDROCK SANDSTONE @ 5"</u>																																										
SOIL COLOR: _____																																										
COHESION (ALL OTHERS): NON COHESIVE <u>(SLIGHTLY COHESIVE)</u> COHESIVE / HIGHLY COHESIVE																																										
CONSISTENCY (NON COHESIVE SOILS): LOOSE / <u>FIRM</u> DENSE / VERY DENSE																																										
PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC																																										
DENSITY (COHESIVE CLAYS & SILTS): <u>SOFT / FIRM</u> STIFF / VERY STIFF / HARD																																										
MOISTURE: DRY / <u>(SLIGHTLY MOIST / MOIST)</u> WET / SATURATED / SUPER SATURATED																																										
DISCOLORATION/STAINING OBSERVED: YES <u>(NO)</u> EXPLANATION - _____																																										
HC ODOR DETECTED: YES <u>(NO)</u> EXPLANATION - _____																																										
SAMPLE TYPE: GRAB / <u>COMPOSITE</u> # OF PTS. <u>3</u>																																										
ADDITIONAL COMMENTS: <u>12" x 12" x 3" Deep Earthwork Pit. Use</u> <u>Backhoe to dig test trench & sample.</u> <u>Bedrock Sandstone @ 5" Bg.</u>																																										
FIELD 418.1 CALCULATIONS																																										
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMP. TIME</th> <th>SAMP. ID</th> <th>LAB NO.</th> <th>WEIGHT (g)</th> <th>mL FREON</th> <th>DILUTION</th> <th>READING</th> <th>CALC. (ppm)</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>			SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)																																
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TRAVEL NOTES: CALLOUT: _____ ONSITE: <u>11-1-05</u>																																										

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

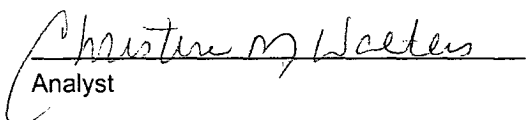
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	3-Pt @ 5'	Date Reported:	11-05-05
Laboratory Number:	34862	Date Sampled:	11-01-05
Chain of Custody No:	15007	Date Received:	11-01-05
Sample Matrix:	Soil	Date Extracted:	11-03-05
Preservative:	Cool	Date Analyzed:	11-04-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH


Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.4	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	0.4	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: **Pritchard 8E Prod 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:	3-Pt @ 5'	Date Reported:	11-04-05
Laboratory Number:	34862	Date Sampled:	11-01-05
Chain of Custody:	15007	Date Received:	11-01-05
Sample Matrix:	Soil	Date Analyzed:	11-04-05
Preservative:	Cool	Date Extracted:	11-03-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	43.6	1.7
Ethylbenzene	11.4	1.5
p,m-Xylene	236	2.2
o-Xylene	41.0	1.0
Total BTEX	332	

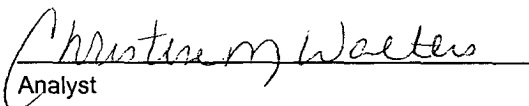
ND - Parameter not detected at the stated detection limit.

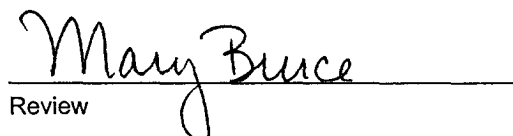
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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: Pritchard 8E Prod Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	3-Pt @ 5'	Date Reported:	11-05-05
Lab ID#:	34862	Date Sampled:	11-01-05
Sample Matrix:	Soil	Date Received:	11-01-05
Preservative:	Cool	Date Analyzed:	11-03-05
Condition:	Cool and Intact	Chain of Custody:	15007

Parameter

Concentration (mg/Kg)

Total Chloride

50.0

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

Comments: Pritchard 8E Prod Pit.

Mary Bruce
Analyst

Christine M. Waeter
Review

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

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 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>PRITCHARD #8E</u> API #: <u>30-045- 25465</u> U/L or Qtr/Qtr <u>N</u> Sec <u>4</u> T <u>29N</u> R <u>8W</u>		
County: <u>SAN JUAN</u> Latitude <u>36.74976</u> Longitude <u>107.68232</u> NAD: 1927 <input type="checkbox"/> 1983 <input checked="" type="checkbox"/> Surface Owner Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>		
Pit Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input checked="" type="checkbox"/> <u>SEPARATOR</u> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> <u>STEEL TANK</u> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> 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 <input type="checkbox"/> 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	(20 points)
	50 feet or more, but less than 100 feet	(10 points) 0
	100 feet or more	(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	(20 points)
	No	(0 points) 0
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet	(20 points)
	200 feet or more, but less than 1000 feet	(10 points) 0
	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 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 84 FT. N48W 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: <input checked="" type="checkbox"/>, LANDFARM: <input type="checkbox"/>, COMPOST: <input type="checkbox"/>, STOCKPILE: <input type="checkbox"/>, OTHER <input type="checkbox"/> (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: 11/05/05

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

Signature Jeff Blagg

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, DIST. 8

Printed Name/Title _____

Signature Bush Roll

Date: FEB 28 2006

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>B1686</u>
		COCR NO: <u>15007</u>

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: PRITCHARD WELL #: 8E TYPE: SEPARATOR

QUAD/UNIT: N SEC: 4 TWP: 29N RNG: 8W PM: NM CNTY: ST ST: NM

QTR/FOOTAGE: 1090 FSL x 1730 FWL SE (SW) CONTRACTOR: PXS (FERNANDO)

DATE STARTED: 11-1-05

DATE FINISHED: 11-1-05

ENVIRONMENTAL SPECIALIST: JCB

EXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: 0

DISPOSAL FACILITY: NA REMEDIATION METHOD: USE AS IS

LAND USE: RANGE - BLM LEASE: SF-078487 FORMATION: DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 84 FT. N48W FROM WELLHEAD.

DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000

NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

OVM CALIB. READ. = 52.1 ppm

OVM CALIB. GAS = 100 ppm RF = 0.52

TIME: 1040 am DATE: 11-1-05

SOIL TYPE: SAND / SILTY SAND / SILT / (SILTY CLAY) / CLAY / GRAVEL / OTHER BEDROCK SANDSTONE @ 6'

SOIL COLOR: _____

COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE

CONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSE

PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED

DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION: _____

HC ODOR DETECTED: YES / NO EXPLANATION: _____

SAMPLE TYPE: GRAB / COMPOSITE # OF PTS. 4

ADDITIONAL COMMENTS: 10' x 10' x 6' Deep Pit w/ 95 BBL Steel Tank. Use Backhoe to Pull Tank & Sample. Bedrock Sandstone on Pit Base

BEDROCK BOTTOM

CLOSED

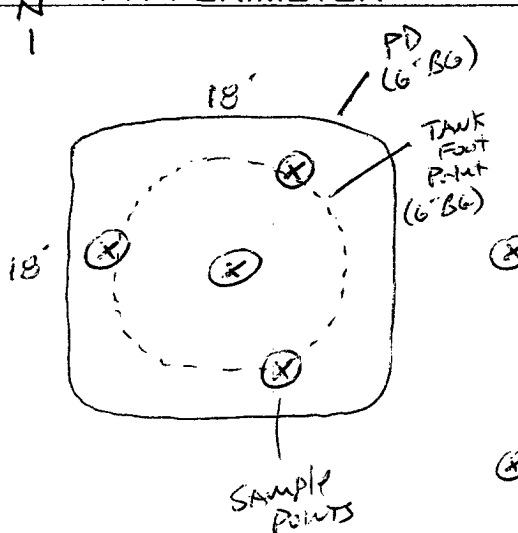
FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)

SCALE



PIT PERIMETER



OVM READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @	
2 @	
3 @	
4 @	
5 @	
4-Point	0.0
Composite	
6'	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
4-Point	TPH/BTEX	0955
	CL-	
	<u>PASSED</u>	

PIT PROFILE

NOT APPLICABLE

P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX; T.B. = TANK BOTTOM

TRAVEL NOTES: CALLOUT: _____ ONSITE: 11-1-05

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

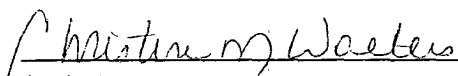
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	4-Pt @ 6'	Date Reported:	11-05-05
Laboratory Number:	34863	Date Sampled:	11-01-05
Chain of Custody No:	15007	Date Received:	11-01-05
Sample Matrix:	Soil	Date Extracted:	11-03-05
Preservative:	Cool	Date Analyzed:	11-04-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

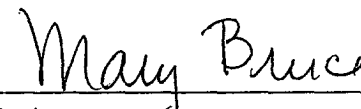
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Pritchard 8E 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:	11-04-05
Laboratory Number:	34863	Date Sampled:	11-01-05
Chain of Custody:	15007	Date Received:	11-01-05
Sample Matrix:	Soil	Date Analyzed:	11-04-05
Preservative:	Cool	Date Extracted:	11-03-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	30.6	1.7
Ethylbenzene	5.6	1.5
p,m-Xylene	83.8	2.2
o-Xylene	14.3	1.0
Total BTEX	134	

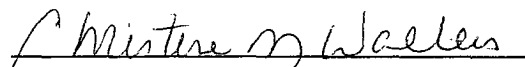
ND - Parameter not detected at the stated detection limit.

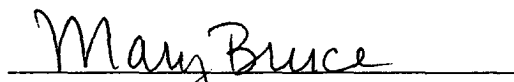
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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: Pritchard 8E Sep Pit.


Analyst


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Chloride

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	4-Pt @ 6'	Date Reported:	11-05-05
Lab ID#:	34863	Date Sampled:	11-01-05
Sample Matrix:	Soil	Date Received:	11-01-05
Preservative:	Cool	Date Analyzed:	11-03-05
Condition:	Cool and Intact	Chain of Custody:	15007

Parameter

Concentration (mg/Kg)

Total Chloride

64.0

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

Comments: Pritchard 8E Sep Pit.

Analyst

Mary Bruce

Review

Christine M. Laeter