

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>RUSSELL LS #3A</u> API #: <u>30-045- 23701</u> U/L or Qtr/Qtr <u>D</u> Sec <u>23</u> T <u>28N</u> R <u>8W</u>		
County: <u>SAN JUAN</u> Latitude <u>36.65179</u> Longitude <u>107.65566</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>BLOW</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: <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) <u>0</u>
	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) <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	(20 points)
	200 feet or more, but less than 1000 feet	(10 points) <u>0</u>
	1000 feet or more	(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 165 FT. N9W 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: 10/10/05

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. 4
Printed Name/Title _____ 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>81670</u> COCR NO: <u>14573</u>
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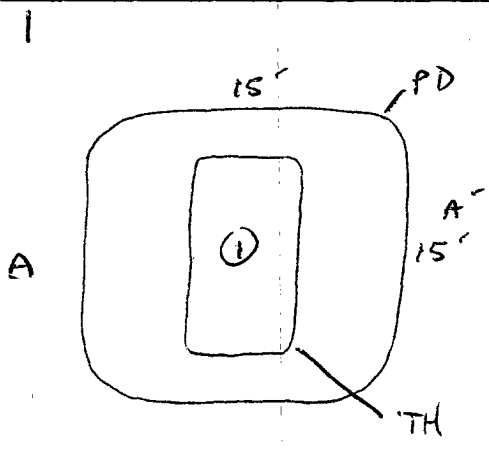
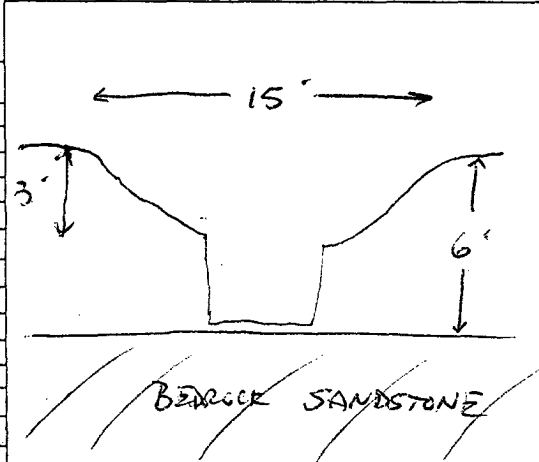
FIELD REPORT: PIT CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>RUSSELL LS</u> WELL#: <u>3A</u> TYPE: <u>BLOW</u> QUAD/UNIT: <u>D</u> SEC: <u>23</u> TWP: <u>28N</u> RNG: <u>8W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>910 FNL x 1090 FWL NW/4</u> CONTRACTOR: <u>PXS (FERNANDO)</u>	DATE STARTED: <u>10-5-05</u> DATE FINISHED: <u>10-5-05</u> ENVIRONMENTAL SPECIALIST: <u>JCB</u>
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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-BLM</u> LEASE: <u>NM 013860A</u> FORMATION: <u>MV</u>

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>165</u> FT. <u>N 9 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
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SOIL AND EXCAVATION DESCRIPTION: SOIL TYPE: SAND / <u>SILTY SAND</u> / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>BEDROCK SANDSTONE @ 6' BG</u> SOIL COLOR: <u>DARK BROWN</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 / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / 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 - <u>V.V. Minor</u> SAMPLE TYPE: <u>GRAB</u> / COMPOSITE - # OF PTS. <u>—</u> ADDITIONAL COMMENTS: <u>15' x 15' x 3' Deep Earth Pit. Use Backhoe to dig test hole x sample.</u> <u>BEDROCK BOTTOM</u>	OVM CALIB. READ. = <u>53.1</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = <u>0.52</u> TIME: <u>1100</u> am/pm DATE: <u>10-5-05</u> <div style="border: 1px solid black; border-radius: 50%; width: 50px; height: 50px; text-align: center; line-height: 50px; margin: 10px auto;">CLOSED</div>
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SCALE  0 ↑ FT	FIELD 418.1 CALCULATIONS	PIT PROFILE																																																																																																																																																																												
PIT PERIMETER 	<table border="1" style="width:100%"> <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> <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> <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> <table border="1" style="width:100%"> <thead> <tr> <th colspan="3">OVM READING</th> </tr> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE (ppm)</th> <th> </th> </tr> </thead> <tbody> <tr><td>1 @ 6"</td><td>3.8</td><td> </td></tr> <tr><td>2 @</td><td> </td><td> </td></tr> <tr><td>3 @</td><td> </td><td> </td></tr> <tr><td>4 @</td><td> </td><td> </td></tr> <tr><td>5 @</td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table> <table border="1" style="width:100%"> <thead> <tr> <th colspan="3">LAB SAMPLES</th> </tr> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> </thead> <tbody> <tr><td>1 @ 6"</td><td>TPH</td><td>1510</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)																																																																																	OVM READING			SAMPLE ID	FIELD HEADSPACE (ppm)		1 @ 6"	3.8		2 @			3 @			4 @			5 @																														LAB SAMPLES			SAMPLE ID	ANALYSIS	TIME	1 @ 6"	TPH	1510																												
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P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW
 T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM

TRAVEL NOTES:	CALLOUT: _____	ONSITE: _____
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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

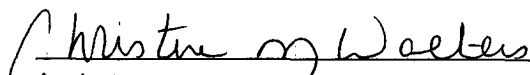
Client:	Blagg / BP	Project #:	94034.010
Sample ID:	1 @ 6'	Date Reported:	10-10-05
Laboratory Number:	34623	Date Sampled:	10-05-05
Chain of Custody No:	14573	Date Received:	10-06-05
Sample Matrix:	Soil	Date Extracted:	10-07-05
Preservative:	Cool	Date Analyzed:	10-10-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

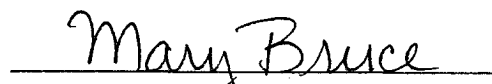
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	31.8	0.1
Total Petroleum Hydrocarbons	31.8	0.2

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: **Russell LS 3A Blow Pit.**


Analyst


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>RUSSELL LS #3A</u> API #: <u>30-045- 23701</u> U/L or Qtr/Qtr <u>D</u> Sec <u>23</u> T <u>28N</u> R <u>8W</u>	
County: <u>SAN JUAN</u> Latitude <u>36.65179</u> Longitude <u>107.65566</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>DEHY/PROD</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: <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) <u>0</u> 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) <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 (20 points) 200 feet or more, but less than 1000 feet (10 points) <u>0</u> 1000 feet or more (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 BP CROUCH MESA LF. (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 51 FT. S68E FROM WELL HEAD.</u>
<u>PIT EXCAVATION: WIDTH 24 ft., LENGTH 24 ft., DEPTH 9 ft.</u>
<u>PIT REMEDIATION: CLOSE AS IS: <input type="checkbox"/>, LANDFARM: <input type="checkbox"/>, COMPOST: <input type="checkbox"/>, STOCKPILE: <input type="checkbox"/>, OTHER <input checked="" type="checkbox"/> EXCAVATE</u>
Cubic yards: <u>128</u>
<u>BEDROCK BOTTOM, STEEL TANK TO BE INSTALLED</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: 10/10/05

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. #3
Printed Name/Title _____ Signature Bob Bell Date: FEB 28 2006

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

CLIENT: BP

LOCATION NO: B1670

COCR NO: 14573
FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: RUSSELL LS WELL#: 3A TYPE: DEHY/PROD

DATE STARTED: 10/5/05

QUAD/UNIT: D SEC: 23 TWP: 28N RNG: 8W PM: NM CNTY: ST ST: NM

DATE FINISHED: 10/5/05

QTR/FOOTAGE: 910 FNL x 1090 FNL NW/NE CONTRACTOR: PXS (FERNANDO)

ENVIRONMENTAL SPECIALIST: JCB

EXCAVATION APPROX. 24 FT. x 24 FT. x 9 FT. DEEP. CUBIC YARDAGE: 128 ±

DISPOSAL FACILITY: BP CROUCH MESA L.F. REMEDIATION METHOD: EXCAVATE

LAND USE: RANGE-BLM LEASE: NM 013860A FORMATION: MV
FIELD NOTES & REMARKS:

PIT LOCATED APPROXIMATELY 51 FT. S68E 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. = 53.1 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 1100 (am)pm DATE: 10-5-05

SOIL TYPE: SAND / (SILTY SAND) SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK SANDSTONE @ 9' BG

SOIL COLOR: DARK BROWN

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 - Gray stain to 9' (Bedrock)

HC ODOR DETECTED: (YES) NO EXPLANATION - Minor

SAMPLE TYPE: GRAB / (COMPOSITE) # OF PTS. 3

ADDITIONAL COMMENTS:

24' x 24' x 3' Deep Earth Pit. Use Backhoe to Remove Impacted soils to Bedrock @ 9' to Facilitate Setting 21 BGL steel tank.

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

PIT PERIMETER

OVM READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @	
2 @	
3 @	
4 @	
5 @	
3-Point Composite	87

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
3-Point	TPH	1505
PASSED		

PIT PROFILE

P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW
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TRAVEL NOTES: CALLOUT: _____ ONSITE: _____

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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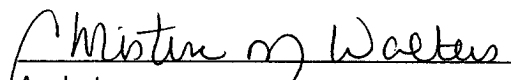
Client:	Blagg / BP	Project #:	94034.010
Sample ID:	3 - Point Composite	Date Reported:	10-10-05
Laboratory Number:	34622	Date Sampled:	10-05-05
Chain of Custody No:	14573	Date Received:	10-06-05
Sample Matrix:	Soil	Date Extracted:	10-07-05
Preservative:	Cool	Date Analyzed:	10-10-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

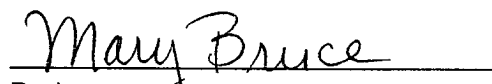
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	248	0.2
Diesel Range (C10 - C28)	12.9	0.1
Total Petroleum Hydrocarbons	261	0.2

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 LS 3A Dehy Prod Pit.**


Analyst


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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 LS #3A</u> API #: <u>30-045- 23701</u> U/L or Qtr/Qtr <u>D</u> Sec <u>23</u> T <u>28N</u> R <u>8W</u>		
County: <u>SAN JUAN</u> Latitude <u>36.65179</u> Longitude <u>107.65566</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 checked="" 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) <u>0</u>
	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) <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	(20 points)
	200 feet or more, but less than 1000 feet	(10 points) <u>0</u>
	1000 feet or more	(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. N26W 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 NMOC District Office guidelines ☒, a general permit ☐, or an alternative OCD-approved plan ☒.

Date: 10/10/05

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

Your certification and NMOC District Office 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 Bob Hall Date: FEB 28 2006

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>B1670</u> COCR NO: <u>14573</u>
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FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION: NAME: <u>RUSSELL LS</u> WELL #: <u>3A</u> TYPE: <u>SEPARATOR</u> QUAD/UNIT: <u>D</u> SEC: <u>23</u> TWP: <u>28N</u> RNG: <u>8W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>910 FNL x 1090 FNL NW/4</u> CONTRACTOR: <u>PXS (FERNANDO)</u>	DATE STARTED: <u>10-6-05</u> DATE FINISHED: <u>10-6-05</u> ENVIRONMENTAL SPECIALIST: <u>JCS</u>
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EXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: 0

DISPOSAL FACILITY: NA REMEDIATION METHOD: CLOSE AS IS

LAND USE: RANGE-BLM LEASE: NM 013860A FORMATION: MV

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 120 FT. N26W FROM WELLHEAD.

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

NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

OVM CALIB. READ. = 53.5 ppm
 OVM CALIB. GAS = 100 ppm RF = 0.52
 TIME: 0840 (am)pm DATE: 10-6-05

SOIL TYPE: SAND (SILTY SAND) SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK SANDSTONE @ 8'-BL

SOIL COLOR: DARK BROWN

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 - Gray Striking

HC ODOR DETECTED: (YES) NO EXPLANATION - Miner

SAMPLE TYPE: (GRAB) / COMPOSITE - # OF PTS. 1

ADDITIONAL COMMENTS: 9' x 9' x 6' Deep Pit w/ 45 BBL Steel Tank. Use Backhoe to Pull tank & SAMPLER. Bedrock Sandstone 2' Below Tank Bottom.

BEFORE BOTTOM

FIELD 418.1 CALCULATIONS

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

SCALE

0 10 FT

PIT PERIMETER

PIT PROFILE

OVM READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 8'	113
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
123	TPH/GEX	1230
	<u>PASSED</u>	

LEGEND

P.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW

T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM

TRAVEL NOTES: CALLOUT: _____ ONSITE: 10-6-05

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

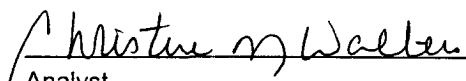
Client:	Blagg / BP	Project #:	94034.010
Sample ID:	1 @ 8'	Date Reported:	10-10-05
Laboratory Number:	34624	Date Sampled:	10-06-05
Chain of Custody No:	14573	Date Received:	10-06-05
Sample Matrix:	Soil	Date Extracted:	10-07-05
Preservative:	Cool	Date Analyzed:	10-10-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

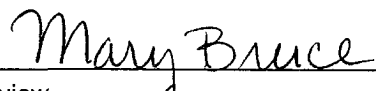
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	338	0.2
Diesel Range (C10 - C28)	1,590	0.1
Total Petroleum Hydrocarbons	1,930	0.2

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 LS 3A 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:	1 @ 8'	Date Reported:	10-10-05
Laboratory Number:	34624	Date Sampled:	10-06-05
Chain of Custody:	14573	Date Received:	10-06-05
Sample Matrix:	Soil	Date Analyzed:	10-10-05
Preservative:	Cool	Date Extracted:	10-07-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	18.2	1.8
Toluene	155	1.7
Ethylbenzene	432	1.5
p,m-Xylene	3,570	2.2
o-Xylene	1,370	1.0
Total BTEX	5,550	

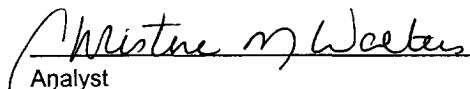
ND - Parameter not detected at the stated detection limit.

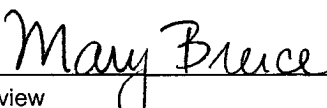
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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: Russell LS 3A Sep Pit.


Analyst


Review