

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>HEATON LS #20</u> API #: <u>30-045- 11785</u> U/L or Qtr/Qtr <u>G</u> Sec <u>29</u> T <u>31N</u> R <u>11W</u>		
County: <u>SAN JUAN</u> Latitude <u>36.87256</u> Longitude <u>108.01115</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: _____ 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 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 66 FT. S28E FROM WELL HEAD.</u>
<u>PIT EXCAVATION: WIDTH 14 ft., LENGTH 13 ft., DEPTH 15 ft.</u>
<u>PIT REMEDIATION: CLOSE AS IS: <input type="checkbox"/> LANDFARM: <input checked="" type="checkbox"/> COMPOST: <input type="checkbox"/> STOCKPILE: <input type="checkbox"/> OTHER <input type="checkbox"/> (explain)</u>
Cubic yards: <u>100</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: 07/07/05

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 Signature Bob Zell Date: FEB 28 2006

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>B1560</u> COCR NO: <u>13887</u>																																														
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																														
LOCATION: NAME: <u>HEATON LS</u> WELL #: <u>20</u> TYPE: <u>BW</u> QUAD/UNIT: <u>G SEC: 29 TWP: 31N RNG: 1W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1705'N/1750'E</u> SW/NE CONTRACTOR: <u>P45 (CHRIS)</u>		DATE STARTED: <u>7/5/05</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>																																														
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TRAVEL NOTES: CALLOUT: <u>7/5/05 - LATE MORN.</u> ONSITE: <u>7/5/05 - EARLY AFTER.</u>																																																

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

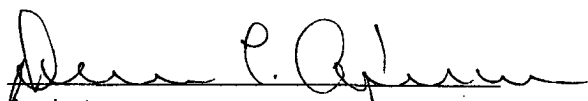
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 17'	Date Reported:	07-07-05
Laboratory Number:	33562	Date Sampled:	07-05-05
Chain of Custody No:	13887	Date Received:	07-06-05
Sample Matrix:	Soil	Date Extracted:	07-06-05
Preservative:	Cool	Date Analyzed:	07-07-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

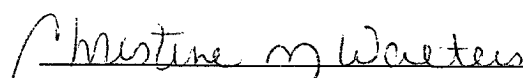
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	362	0.2
Diesel Range (C10 - C28)	11.0	0.1
Total Petroleum Hydrocarbons	373	0.2

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: **Heaton LS #20 Blow Pit Grab Sample.**


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 @ 17'	Date Reported:	07-07-05
Laboratory Number:	33562	Date Sampled:	07-05-05
Chain of Custody:	13887	Date Received:	07-06-05
Sample Matrix:	Soil	Date Analyzed:	07-07-05
Preservative:	Cool	Date Extracted:	07-06-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	4.0	2.1
Toluene	337	1.8
Ethylbenzene	237	1.7
p,m-Xylene	3,910	1.5
o-Xylene	841	2.2
Total BTEX	5,330	

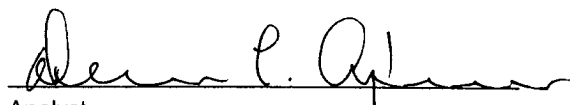
ND - Parameter not detected at the stated detection limit.

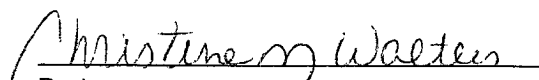
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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: Heaton LS #20 Blow Pit Grab Sample.


Analyst


Review

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State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
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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: BP AMERICA PROD. CO. Telephone: (505)-326-9200 e-mail address: _____
Address: 200 ENERGY COURT, FARMINGTON, NM 87410
Facility or well name: HEATON LS #20 API #: 30-045- 11785 U/L or Qtr/Qtr G Sec 29 T 31N R 11W
County: SAN JUAN Latitude 36.87256 Longitude 108.01115 NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit

Type: Drilling ☐ Production ☐ Disposal ☒ SEPARATOR

Workover ☐ Emergency ☐

Lined ☐ Unlined ☒

Liner type: Synthetic ☐ Thickness _____ mil Clay ☐

Pit Volume _____ bbl

Below-grade tank

Volume: _____ bbl Type of fluid: _____

Construction material: _____

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)

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)

1000 feet or more

(0 points)

0

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 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: PIT LOCATED APPROXIMATELY 21 FT. N4E FROM WELL HEAD.

PIT EXCAVATION: WIDTH 13 ft., LENGTH 14 ft., DEPTH 17 ft.

PIT REMEDIATION: CLOSE AS IS: ☐ LANDFARM: ☒ COMPOST: ☐ STOCKPILE: ☐ OTHER ☐ (explain)

Cubic yards: 115

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: 07/07/05

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

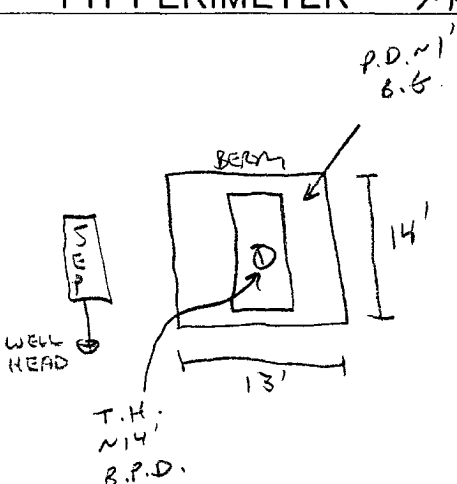
Printed Name/Title

Signature [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>B1560</u> COCR NO: <u>13887</u>
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>HEATON</u> L5 WELL #: <u>20</u> TYPE: <u>SEP.</u> QUAD/UNIT: <u>G</u> SEC: <u>29</u> TWP: <u>31N</u> RNG: <u>11W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1705N/1750E</u> SW/NE CONTRACTOR: <u>P45 (CHRIS)</u>		DATE STARTED: <u>7/5/05</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
EXCAVATION APPROX. <u>13</u> FT. x <u>14</u> FT. x <u>17</u> FT. DEEP. CUBIC YARDAGE: <u>115</u> DISPOSAL FACILITY: <u>BP CLOUGH MESA FACILITY</u> REMEDIATION METHOD: <u>LANDFARM</u> LAND USE: <u>RANGE - BURN</u> LEASE: <u>SF 078097</u> FORMATION: <u>PC</u>		
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>21</u> FT. <u>N4E</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>>100</u> NEAREST WATER SOURCE: <u>>1,000</u> NEAREST SURFACE WATER: <u>>1,000</u> NMOCD RANKING SCORE: <u>0</u> NMOCD TPH CLOSURE STD: <u>5000</u> PPM		
SOIL AND EXCAVATION DESCRIPTION:		OVM CALIB. READ. = <u>54.0</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = 0.52 TIME: <u>9:50</u> am/pm DATE: <u>7/5/05</u>
SOIL TYPE: <u>SAND</u> / <u>SILTY SAND</u> / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____ SOIL COLOR: <u>MOD. BROWN TO DR. GRAY</u> COHESION (ALL OTHERS): <u>NON COHESIVE</u> / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): <u>LOOSE</u> / <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> / <u>MOIST</u> / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: <u>YES</u> / NO EXPLANATION - <u>ENTIRE TEST HOLE INTERVAL (LT. TO DR. GRAY)</u> HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION - <u>DISCOLORED SOIL & OVM SAMPLE</u> SAMPLE TYPE: <u>GRAB</u> / COMPOSITE - # OF PTS. <u>—</u> ADDITIONAL COMMENTS: _____		

SCALE  0 FT	FIELD 418.1 CALCULATIONS																																								
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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: <u>7/5/05 - LATE MOR.</u>	ONSITE: <u>7/5/05 - EARLY AFTER.</u>
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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

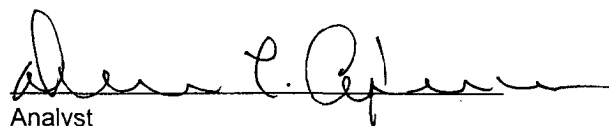
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 15'	Date Reported:	07-07-05
Laboratory Number:	33563	Date Sampled:	07-05-05
Chain of Custody No:	13887	Date Received:	07-06-05
Sample Matrix:	Soil	Date Extracted:	07-06-05
Preservative:	Cool	Date Analyzed:	07-07-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

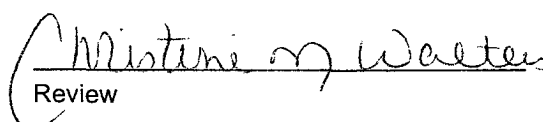
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1,490	0.2
Diesel Range (C10 - C28)	17.4	0.1
Total Petroleum Hydrocarbons	1,510	0.2

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: **Heaton LS #20 Separator Pit Grab Sample.**


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 @ 15'	Date Reported:	07-07-05
Laboratory Number:	33563	Date Sampled:	07-05-05
Chain of Custody:	13887	Date Received:	07-06-05
Sample Matrix:	Soil	Date Analyzed:	07-07-05
Preservative:	Cool	Date Extracted:	07-06-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	1,060	2.1
Toluene	2,250	1.8
Ethylbenzene	1,870	1.7
p,m-Xylene	10,950	1.5
o-Xylene	4,210	2.2
Total BTEX	20,340	

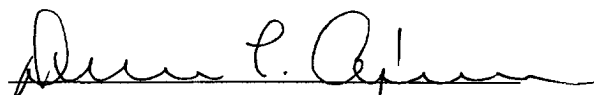
ND - Parameter not detected at the stated detection limit.


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: Heaton LS #20 Separator Pit Grab Sample.


Analyst


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