

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

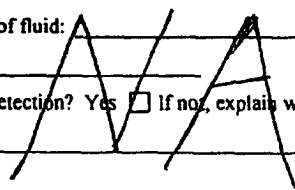
For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

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: BP America Production Company Telephone: (505)326-9200 e-mail address: _____
Address: 200 Energy Ct. Farmington, NM 87401
Facility or well name: RIDDLE C COM #8 API #: 30045 26827 U/L or Qtr/Qtr 8 Sec 29 T 31 N R 9 W
County: San Juan Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☒
Surface Owner: Federal ☐ State ☐ Private ☐ Indian ☐

Pit Type: Drilling ☐ Production ☒ Disposal ☐ 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 no, 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) 100 feet or more (0 points)	0
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)	10
Ranking Score (Total Points)		10

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:

See Attached Documentation

RCVD FEB 20 07
OIL CONS. DIV.
DIST. 3

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 (attached) alternative OCD-approved plan ☐.

Date: 11/01/2005

Printed Name/Title Jeffrey C. Blagg, Agent

Signature Jeffrey C. Blagg

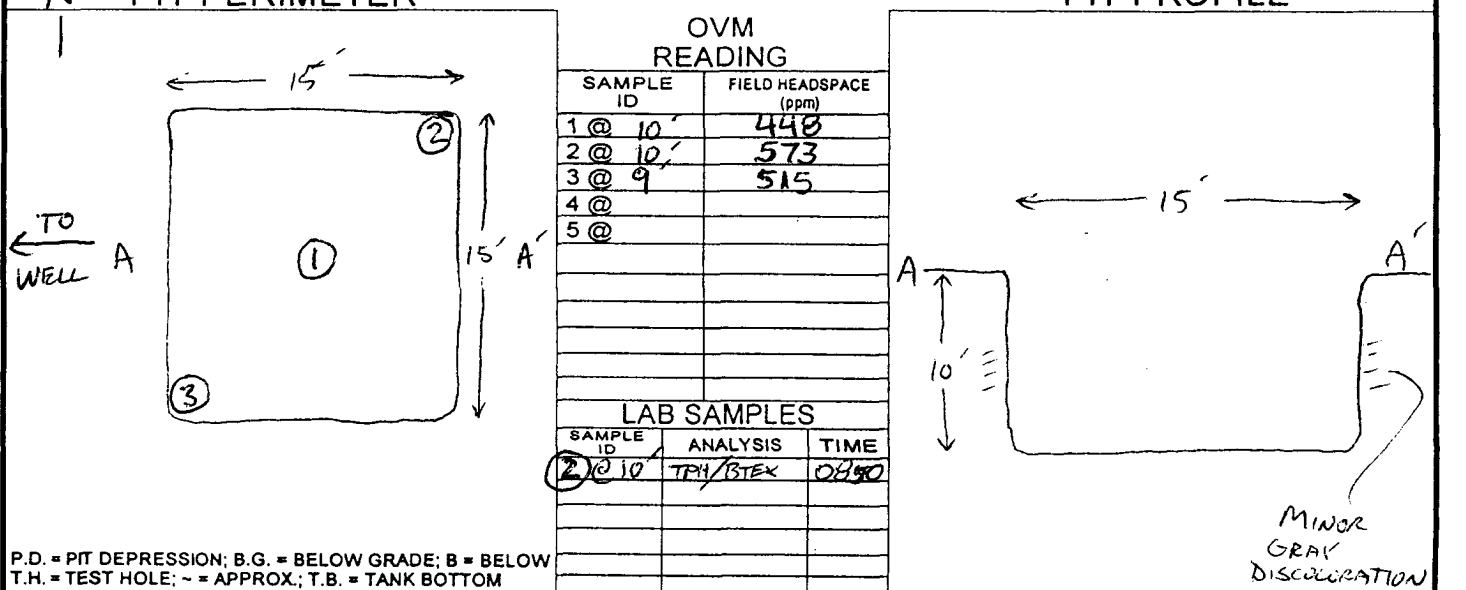
Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with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

Approval:

Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. 3

Signature [Signature]

Date: FEB 20 2007

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>10657</u> COCR NO: _____																																								
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>2</u>																																								
LOCATION: NAME: <u>RIDDLE C COM</u> WELL #: <u>B</u> TYPE: <u>DEHY</u> QUAD/UNIT: <u>B</u> SEC: <u>29</u> TWP: <u>31N</u> RNG: <u>9W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1135'N/1850'E NW/NE</u> CONTRACTOR: <u>FLINT (CORNELL)</u>		DATE STARTED: <u>2-20-03</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>JCB</u>																																								
EXCAVATION APPROX. <u>15</u> FT. x <u>15</u> FT. x <u>10</u> FT. DEEP. CUBIC YARDAGE: <u>1200</u> DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>OFF-SITE</u> LAND USE: <u>FEE RANGE</u> LEASE: <u>ANM 91255 FEE</u> FORMATION: <u>PC</u>																																										
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>108</u> FT. <u>N 90° E</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>> 500</u> NEAREST WATER SOURCE: <u>> 1000</u> NEAREST SURFACE WATER: <u>< 1000</u> NMOCD RANKING SCORE: <u>10</u> NMOCD TPH CLOSURE STD: <u>1000</u> PPM																																										
SOIL AND EXCAVATION DESCRIPTION:		OVM CALIB. READ. = <u>131.1</u> ppm OVM CALIB. GAS = <u>250</u> ppm RF = 0.52 TIME: <u>0915</u> am/pm DATE: <u>2-21-03</u>																																								
SOIL TYPE: SAND / <u>SILTY SAND</u> / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____ SOIL COLOR: <u>GRAY</u> COHESION (ALL OTHERS): NON COHESIVE / <u>SLIGHTLY COHESIVE</u> / 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 / <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>GRAY</u> HC ODOR DETECTED: <u>YES</u> NO EXPLANATION - <u>MODERATE</u> SAMPLE TYPE: <u>GRAB</u> COMPOSITE - # OF PTS. _____ ADDITIONAL COMMENTS: <u>EARTHEN PIT. USE BACKHUE TO EXCAVATE & SAMPLE</u>																																										
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TRAVEL NOTES: CALLOUT: <u>2/30/03 0940</u> ONSITE: <u>2/30/03 1115</u>																																										

CLIENT: BP

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

LOCATION NO:
COCR NO: 9828
10694

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 2 of 2

LOCATION: NAME: RIDDLE C COM WELL #: 8 TYPE: DEHK

QUAD/UNIT: SEC: TWP: RNG: PM: CNTY: ST:

QTR/FOOTAGE: 1/4 NE CONTRACTOR:

DATE STARTED: 2-20-03

DATE FINISHED:

ENVIRONMENTAL SPECIALIST: JCB

EXCAVATION APPROX. FT. x FT. x FT. DEEP. CUBIC YARDAGE: 1200

DISPOSAL FACILITY: REMEDIATION METHOD:

LAND USE: LEASE: FEE FORMATION: PC

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 108 FT. N90°E FROM WELLHEAD.

DEPTH TO GROUNDWATER: NEAREST WATER SOURCE: NEAREST SURFACE WATER:

NMOCD RANKING SCORE: NMOCD TPH CLOSURE STD: PPM

SOIL AND EXCAVATION DESCRIPTION:

OVM CALIB. READ. = 130.2 ppm
OVM CALIB. GAS = 250 ppm RF = 0.52
TIME: 0925 am/pm DATE: 3-21-03

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER

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.

ADDITIONAL COMMENTS: COLLECTED 4 PT. COMPOSITE SAMPLE FROM SIDEWALLS 3/25/03 - NO DISCOLORATION OBSERVED, PALE YEL. BROWN TO MOD. YEL. BROWN SAND. ADDITIONAL EXCAVATION IN SE CORNER CONDUCTED 3/26/03 - OLIVE TO MED. GRAY DISCOLORATION.

SCALE

0 FT

FIELD 418.1 CALCULATIONS

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

PIT PERIMETER

PIT PROFILE

4 PT. COMPOSITE SAMPLE PT. DESIGNATION

RAMP

150', 589W FROM WELL HEAD

PD

30' 36"

To well

OVM READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @	
2 @	
3 @	
4 @	
5 @	
C @ 30'	293
	3/25/03 TIME
4P-SWELL	1,264 1245

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
C @ 30'	TPH/BTEX	1405
4P-SWELL	TPH/BTEX	1245 3/25/03
"		

ADDITIONAL EXCAVATION

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

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

TRAVEL NOTES:

CALLOUT: 3/21/03 Noon

ONSITE: 3/21/03 1345

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Blagg / BP
Sample ID: Dehy 2 @ 10'
Laboratory Number: 24912
Chain of Custody No: 10657
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

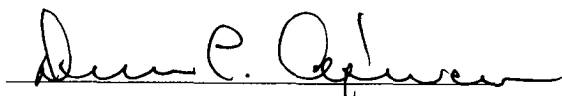
Project #: 94034-010
Date Reported: 02-23-03
Date Sampled: 02-21-03
Date Received: 02-21-03
Date Extracted: 02-23-03
Date Analyzed: 02-23-03
Analysis Requested: 8015 TPH

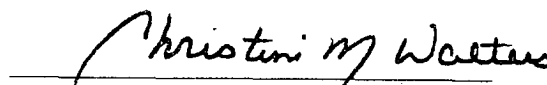
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	9,970	0.2
Diesel Range (C10 - C28)	2,000	0.1
Total Petroleum Hydrocarbons	11,970	0.2

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: Riddle C Com #8.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Dehy 2 @ 10'	Date Reported:	02-23-03
Laboratory Number:	24912	Date Sampled:	02-21-03
Chain of Custody:	10657	Date Received:	02-21-03
Sample Matrix:	Soil	Date Analyzed:	02-23-03
Preservative:	Cool	Date Extracted:	02-23-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	564	1.8
Toluene	1,090	1.7
Ethylbenzene	824	1.5
p,m-Xylene	1,560	2.2
o-Xylene	1,910	1.0
Total BTEX	5,950	

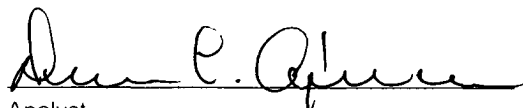
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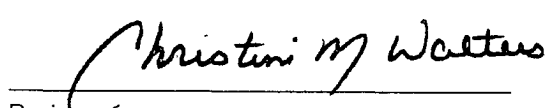
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	100 %
	Bromochlorobenzene	100 %

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: Riddle C Com #8.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Blagg / BP
Sample ID: C @ 30'
Laboratory Number: 25158
Chain of Custody No: 09828
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

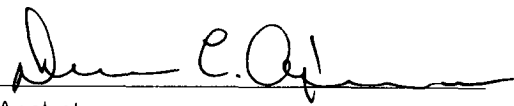
Project #: 94034-010
Date Reported: 03-24-03
Date Sampled: 03-21-03
Date Received: 03-21-03
Date Extracted: 03-24-03
Date Analyzed: 03-24-03
Analysis Requested: 8015 TPH

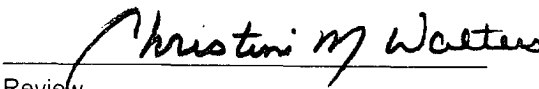
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	232	0.2
Diesel Range (C10 - C28)	33.8	0.1
Total Petroleum Hydrocarbons	266	0.2

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: Riddle C Com #8 - Dehy.


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 @ 30'	Date Reported:	03-24-03
Laboratory Number:	25158	Date Sampled:	03-21-03
Chain of Custody:	09828	Date Received:	03-21-03
Sample Matrix:	Soil	Date Analyzed:	03-24-03
Preservative:	Cool	Date Extracted:	03-24-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	152	1.8
Toluene	815	1.7
Ethylbenzene	678	1.5
p,m-Xylene	2,590	2.2
o-Xylene	1,560	1.0
Total BTEX	5,800	

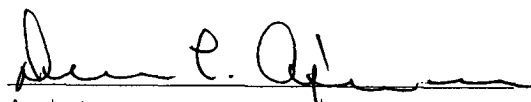
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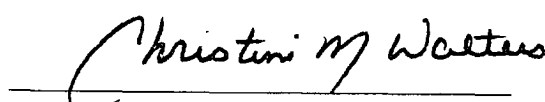
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97 %
	1,4-difluorobenzene	97 %
	Bromochlorobenzene	97 %

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: Riddle C Com #8 - Dehy.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Blagg / BP
Sample ID: 4P-SW @ 11'
Laboratory Number: 25213
Chain of Custody No: 10694
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

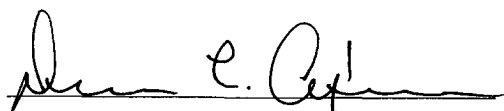
Project #: 94034-010
Date Reported: 03-27-03
Date Sampled: 03-25-03
Date Received: 03-26-03
Date Extracted: 03-27-03
Date Analyzed: 03-27-03
Analysis Requested: 8015 TPH

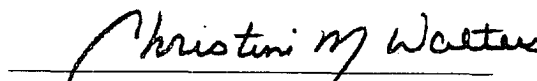
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	996	0.2
Diesel Range (C10 - C28)	176	0.1
Total Petroleum Hydrocarbons	1,170	0.2

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: Riddle C Com #8 Dehydrator Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: Blagg / BP
Sample ID: 4P-SW @ 11'
Laboratory Number: 25213
Chain of Custody: 10694
Sample Matrix: Soil
Preservative: Cool
Condition: Cool & Intact

Project #: 94034-010
Date Reported: 03-27-03
Date Sampled: 03-25-03
Date Received: 03-26-03
Date Analyzed: 03-27-03
Date Extracted: 03-27-03
Analysis Requested: BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	28.7	1.8
Toluene	718	1.7
Ethylbenzene	493	1.5
p,m-Xylene	2,000	2.2
o-Xylene	1,390	1.0
Total BTEX	4,630	

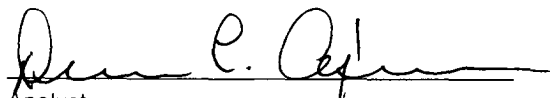
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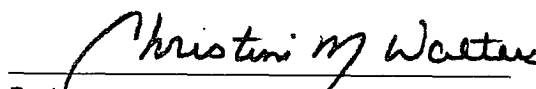
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98 %
	1,4-difluorobenzene	98 %
	Bromochlorobenzene	98 %

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: Riddle C Com #8 Dehydrator Pit.


Analyst


Review