

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 Production Company Telephone: (505)326-9200 e-mail address: _____
Address: 200 Energy Ct. Farmington, NM 87401
Facility or well name: RIDDLE C L S #1A API #: 3004523061 U/L or Qtr/Qtr K Sec 31 T 31N R 9W
County: San Juan Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☒
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

Pit	Below-grade tank	
Type: Drilling <input type="checkbox"/> Production <input checked="" type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Volume: _____ bbl Type of fluid: _____ Construction material: _____ 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:

See Attached Documentation

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: DEPUTY OIL & GAS INSPECTOR, DIST. #1
Printed Name/Title

Signature Brandon Powell

Date: OCT 25 2006

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80899</u> C.O.C. NO: <u>8730</u>
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FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>Riddle C LS</u> WELL #: <u>1A</u> PIT: <u>SEP</u>	DATE STARTED: <u>9-18-01</u> DATE FINISHED: <u>9-24-01</u>
QUAD/UNIT: <u>K SEC: 31 TWP: 31 N Rng: 9 W PM: NACNTY: SS ST: NM</u>	ENVIRONMENTAL SPECIALIST: <u>JCB</u>
QTR/FOOTAGE: <u>1895/740W</u> NE/SW CONTRACTOR: <u>PAUL & SON</u>	

EXCAVATION APPROX. <u>24</u> FT. x <u>21</u> FT. x <u>4</u> FT. DEEP. CUBIC YARDAGE: <u>70</u>
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>COMPOSTED</u>
LAND USE: <u>RANGE-BLM</u> LEASE: <u>SF-078316 E</u> FORMATION: <u>MV</u>

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>132</u> FT. <u>554'W</u> FROM WELLHEAD.
DEPTH TO GROUNDWATER: <u>>100</u> NEAREST WATER SOURCE: <u>>100W</u> NEAREST SURFACE WATER: <u>>100W</u>
NMOC D RANKING SCORE: <u>0</u> NMOC D TPH CLOSURE STD: <u>500</u> PPM

SOIL AND EXCAVATION DESCRIPTION:	DVM CALIB. READ: <u>20.6</u> ppm DVM CALIB. GAS = <u>250</u> ppm RE = <u>0.52</u> TIME: <u>10:15</u> am DATE: <u>9-24-01</u>	CHECK ONE: <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED <input type="checkbox"/> FIBERGLASS TANK INSTALLED
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SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER SANDSTONE Bedrock

SOIL COLOR: Blue-GRAY

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 CLOSED

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

DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - MINOR color

HC ODOR DETECTED: YES / NO EXPLANATION - MINOR odor

SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. 4

ADDITIONAL COMMENTS:

BEDROCK
Bottom

FIELD 418.1 CALCULATIONS							
SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

<p>SCALE</p> <p>0 FT</p> <p>1 PIT PERIMETER</p>	<p>OVM RESULTS</p> <table border="1"> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> <tr> <td>1N@ 3'</td> <td>74</td> </tr> <tr> <td>2E@ 3'</td> <td>182</td> </tr> <tr> <td>3SE@ 3'</td> <td>66</td> </tr> <tr> <td>4W@ 3'</td> <td>111</td> </tr> <tr> <td>5 @</td> <td> </td> </tr> </table> <p>LAB SAMPLES</p> <table border="1"> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> <tr> <td>203'</td> <td>TPH/UTE x</td> <td>1030</td> </tr> <tr> <td>E</td> <td> </td> <td> </td> </tr> <tr> <td colspan="3"><u>BOTH PASSED</u></td> </tr> </table>	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1N@ 3'	74	2E@ 3'	182	3SE@ 3'	66	4W@ 3'	111	5 @		SAMPLE ID	ANALYSIS	TIME	203'	TPH/UTE x	1030	E			<u>BOTH PASSED</u>			<p>PIT PROFILE</p>
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E																										
<u>BOTH PASSED</u>																										

TRAVEL NOTES: CALLOUT: <u>9-24-01 0750</u> ONSITE: <u>9-24-01 0945</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:	SEP. E @ 3'	Date Reported:	09-27-01
Laboratory Number:	21069	Date Sampled:	09-24-01
Chain of Custody No:	8730	Date Received:	09-24-01
Sample Matrix:	Soil	Date Extracted:	09-27-01
Preservative:	Cool	Date Analyzed:	09-27-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

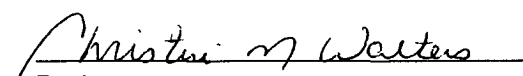
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	254	0.2
Diesel Range (C10 - C28)	292	0.1
Total Petroleum Hydrocarbons	546	0.2

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 LS 1A.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	SEP. E @ 3'	Date Reported:	09-27-01
Laboratory Number:	21069	Date Sampled:	09-24-01
Chain of Custody:	8730	Date Received:	09-24-01
Sample Matrix:	Soil	Date Analyzed:	09-27-01
Preservative:	Cool	Date Extracted:	09-27-01
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	162	1.8
Toluene	562	1.7
Ethylbenzene	439	1.5
p,m-Xylene	2,400	2.2
o-Xylene	1,180	1.0
Total BTEX	4,740	

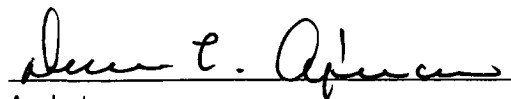
ND - Parameter not detected at the stated detection limit.

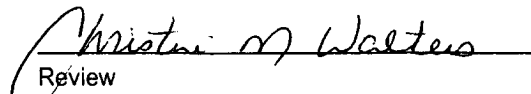
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	96 %
	1,4-difluorobenzene	96 %
	Bromochlorobenzene	96 %

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 LS 1A.


Analyst


Review

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80899</u> C.O.C. NO: <u>10493</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>RIDDLE C LS</u> WELL #: <u>1A</u> PITS: <u>DEHY. SEP.</u> QUAD/UNIT: <u>K</u> SEC: <u>31</u> TWP: <u>31N</u> RNG: <u>9W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: _____ NEISW CONTRACTOR: <u>P+S</u>	DATE STARTED <u>1/31/03</u> DATE FINISHED _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
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SOIL REMEDIATION:

 REMEDIATION SYSTEM: COMPOST PILE

 APPROX. CUBIC YARDAGE: 540

 LAND USE: RANGE - BLM

 LIFT DEPTH (ft): N/A

FIELD NOTES & REMARKS:

 NMCD RANKING SCORE: 0 NMCD TPH CLOSURE STD: 5000 ppm

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

 SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER SHALE FRAGMENTS - DUSKY BROWN

 SOIL COLOR: DR. YELL. ORANGE TO DUSKY 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 - _____

 HC ODOR DETECTED: YES / NO EXPLANATION - _____

 SAMPLING DEPTHS (LANDFARMS): 2-3 (INCHES) (FEET)

 SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. 5

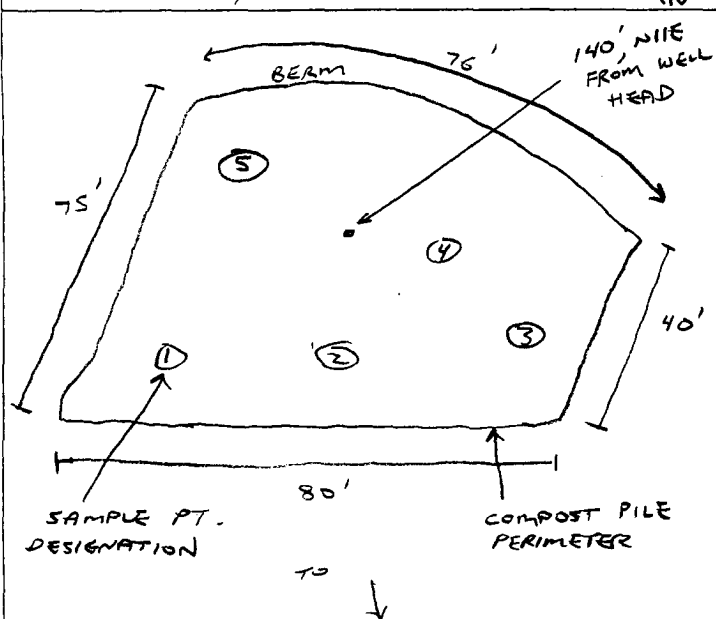
ADDITIONAL COMMENTS: _____

CLOSED

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SKETCH/SAMPLE LOCATIONS


 OVM CALIB. READ: 50.2 ppm
 OVM CALIB. GAS = 100 ppm; RF = 0.52
 TIME: 8:05 am DATE: 1/29/03

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
CP-1	0.0	CP-1	TPH (80158)	0930	ND

SCALE

0 80 FT

 TRAVEL NOTES: CALLOUT: N/A

 ONSITE: 1/31/03

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Blagg / BP
Sample ID: CP - 1
Laboratory Number: 24709
Chain of Custody No: 10493
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

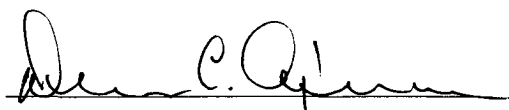
Project #: 94034-010
Date Reported: 02-03-03
Date Sampled: 01-31-03
Date Received: 01-31-03
Date Extracted: 02-03-03
Date Analyzed: 02-03-03
Analysis Requested: 8015 TPH

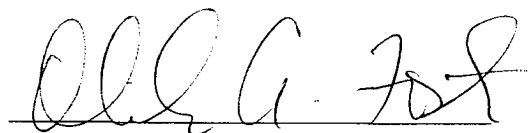
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: Riddle C LS #1A Compost Pile 5 Pt. Composite.


Analyst


Review