

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

RCVD NOV 13 2006
OIL CONSV. DIV.

DIST. 3

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: GCU #212 API #: 3004511650 U/L or Qtr/Qtr K Sec 32 T 29 N R12W
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.

Proval:

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

Signature Bob Bell

Date: NOV 13 2006

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>81038</u> C.O.C. NO: <u>10185</u>																																			
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																			
LOCATION: NAME: <u>GCU</u> WELL #: <u>212</u> TYPE: <u>SEP</u>		DATE STARTED: <u>8-19-02</u>																																			
QUAD/UNIT: <u>K SEC: 32 TWP: 29N RNG: 12W PM: NM CNTY: SJ ST: NM</u>		DATE FINISHED: _____																																			
QTR/FOOTAGE: <u>1795 S 1500 W</u> NELSW CONTRACTOR: <u>FLINT (REN)</u>		ENVIRONMENTAL SPECIALIST: <u>JCB</u>																																			
EXCAVATION APPROX. <u>15</u> FT. x <u>15</u> FT. x <u>7</u> FT. DEEP. CUBIC YARDAGE: <u>45</u>																																					
DISPOSAL FACILITY: <u>ONSITE</u> REMEDIATION METHOD: <u>LF</u>																																					
LAND USE: <u>RANGE</u> LEASE: <u>BLM 2020 STATE</u> FORMATION: <u>DK</u>																																					
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>150</u> FT. <u>S41E</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>131.5</u> ppm OVM CALIB. GAS = <u>250</u> ppm RF = <u>0.52</u> TIME: <u>0951</u> (am) pm DATE: <u>8-19-02</u>																																			
SOIL TYPE: SAND / <u>SILTY SAND</u> / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>SS BEDROCK @ 7' BG</u>																																					
SOIL COLOR: <u>GRAY TO BLACK</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): <u>SOFT</u> / FIRM / STIFF / VERY STIFF / HARD <u>CLOSED</u>																																					
MOISTURE: DRY / <u>SLIGHTLY MOIST</u> / MOIST / WET / SATURATED / SUPER SATURATED																																					
DISCOLORATION/STAINING OBSERVED: <u>YES</u> / NO EXPLANATION: <u>GRAY TO BLACK</u>																																					
HC ODOR DETECTED: <u>YES</u> / NO EXPLANATION: <u>STRONG</u>																																					
SAMPLE TYPE: <u>GRAB</u> / COMPOSITE - # OF PTS. _____																																					
ADDITIONAL COMMENTS: <u>USE BACKHOLE TO BIG PIT. HIT FIRM SANDSTONE BEDROCK @ 7' BG</u>																																					
FIELD 418.1 CALCULATIONS																																					
<div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"> SCALE 0 FT </div> <table border="1" style="width: 80%; border-collapse: collapse;"> <thead> <tr> <th>SAMP. TIME</th> <th>SAMPLE I.D.</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> </tbody> </table> </div>			SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm																											
SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm																														
	<div style="text-align: center;">OVM RESULTS</div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> </thead> <tbody> <tr><td>1 @ 7'</td><td>167</td></tr> <tr><td>2 @ 7'</td><td>211</td></tr> <tr><td>3 @ 7'</td><td>149</td></tr> <tr><td>4 @ 7'</td><td>101</td></tr> <tr><td>5 @ 7'</td><td>129</td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table> <div style="text-align: center;">LAB SAMPLES</div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> </thead> <tbody> <tr><td># 2 @ 7'</td><td>TPH/BTEX</td><td>0946</td></tr> <tr><td colspan="3" style="text-align: center;"><u>(BOTH PASSED)</u></td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1 @ 7'	167	2 @ 7'	211	3 @ 7'	149	4 @ 7'	101	5 @ 7'	129									SAMPLE ID	ANALYSIS	TIME	# 2 @ 7'	TPH/BTEX	0946	<u>(BOTH PASSED)</u>									<div style="text-align: center;">PIT PROFILE</div>
SAMPLE ID	FIELD HEADSPACE PID (ppm)																																				
1 @ 7'	167																																				
2 @ 7'	211																																				
3 @ 7'	149																																				
4 @ 7'	101																																				
5 @ 7'	129																																				
SAMPLE ID	ANALYSIS	TIME																																			
# 2 @ 7'	TPH/BTEX	0946																																			
<u>(BOTH PASSED)</u>																																					
P.D. = PIT DEPRESSION; B.G. = BELOW GRADE T.H. = TEST HOLE; ~ = APPROX.; B = BELOW																																					
TRAVEL NOTES: CALLOUT: <u>8-19-02 0800</u> ONSITE: <u>8-19-02 0930</u>																																					

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

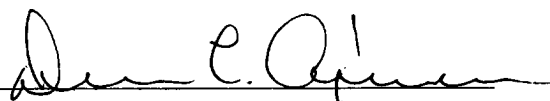
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Separator #2 @ 7'	Date Reported:	08-21-02
Laboratory Number:	23603	Date Sampled:	08-19-02
Chain of Custody No:	10185	Date Received:	08-19-02
Sample Matrix:	Soil	Date Extracted:	08-20-02
Preservative:	Cool	Date Analyzed:	08-21-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

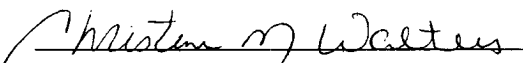
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	4.4	0.2
Diesel Range (C10 - C28)	2.2	0.1
Total Petroleum Hydrocarbons	6.6	0.2

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: GCU 212.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Separator #2 @ 7'	Date Reported:	08-21-02
Laboratory Number:	23603	Date Sampled:	08-19-02
Chain of Custody:	10185	Date Received:	08-19-02
Sample Matrix:	Soil	Date Analyzed:	08-21-02
Preservative:	Cool	Date Extracted:	08-20-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	52.0	1.8
Toluene	338	1.7
Ethylbenzene	534	1.5
p,m-Xylene	2,050	2.2
o-Xylene	916	1.0
Total BTEX	3,890	

ND - Parameter not detected at the stated detection limit.

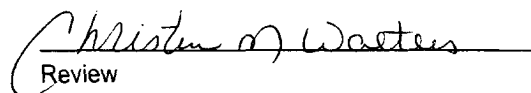
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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: GCU 212.


Analyst


Review

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>B1038</u> C.D.C. NO: <u>11644</u>
-------------------	---	--

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>GCU</u>	WELL #: <u>212</u>	PITS: <u>SEP</u>	DATE STARTED: <u>1/13/04</u>
QUAD/UNIT: <u>K</u>	SEC: <u>32</u>	TWP: <u>29N</u>	DATE FINISHED: _____
RNG: <u>12W</u>	PM: <u>NM</u>	CNTY: <u>JS</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>
ST: <u>NM</u>			
QTR/FOOTAGE: _____		NELSW CONTRACTOR: <u>FLINT (BEN)</u>	

SOIL REMEDIATION:

REMEDICATION SYSTEM: <u>LANDFARM</u>	APPROX. CUBIC YARDAGE: <u>50</u>
LAND USE: <u>RANGE</u>	LIFT DEPTH (ft): <u>1-2</u>

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 _____

SOIL COLOR: DUSKY RED/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

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

DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION: -DR. YELL BROWN ON MAJORITY OF LANDFARM SURFACE.

HC ODOR DETECTED: YES / NO EXPLANATION: SLIGHTLY IN ALL SAMPLE PTS.

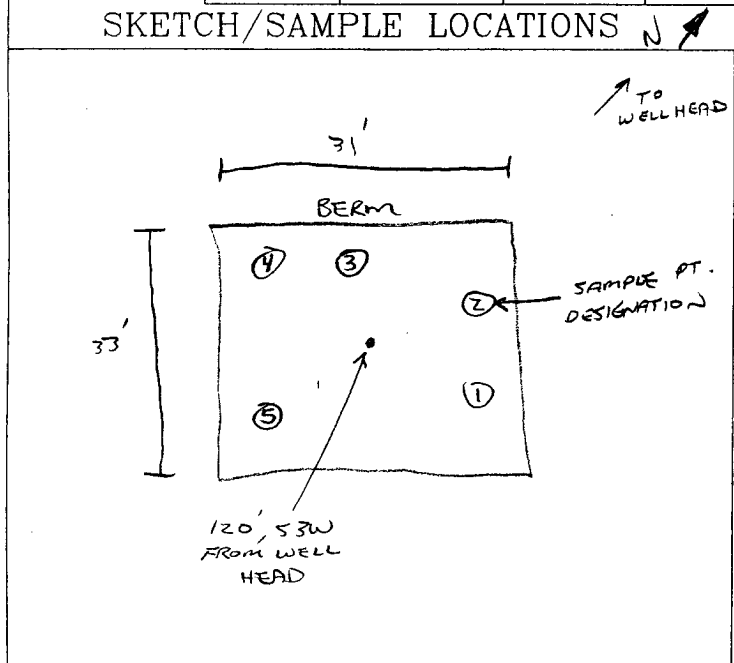
SAMPLING DEPTHS (LANDFARMS): 6-18 (INCHES)

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

ADDITIONAL COMMENTS: _____

FIELD 418.1 CALCULATIONS

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



DVM CALIB. READ. 53.0 ppm
 DVM CALIB. GAS = 100 ppm; RF = 0.52
 TIME: 12:30 am/pm DATE: 1/6/04

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	13.0	LF-1	TPH (80158)	1025	4.5

P.C. - 8/19/02

SCALE

0 FT

TRAVEL NOTES: CALLOUT: N/A ONSITE: 1/13/04-MORN.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

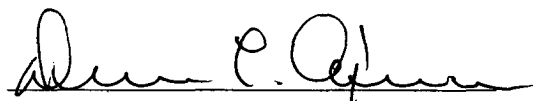
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF-1	Date Reported:	01-15-04
Laboratory Number:	27532	Date Sampled:	01-13-04
Chain of Custody No:	11644	Date Received:	01-14-04
Sample Matrix:	Soil	Date Extracted:	01-14-04
Preservative:	Cool	Date Analyzed:	01-15-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

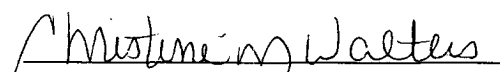
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	4.5	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	4.5	0.2

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: **GCU #212 Landfarm 5 Pt. Composite Sample.**


Analyst


Review