

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

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

Form C-144  
June 1, 2004

RCUD DEC 27 06

Pit or Below-Grade Tank Registration or Closure

OIL CONS. DIV.

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 ☒

DIST. 3

Operator: BP America Production Company Telephone: (505)326-9200 e-mail address: \_\_\_\_\_  
Address: 200 Energy Ct. Farmington, NM 87401  
Facility or well name: CRAWFORD CC B #1E API #: 30045 24011 U/L or Qtr/Qtr T Sec 24 T 29 N R 12 W  
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: <u>MA</u> Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> 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)
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)
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)
	Ranking Score (Total Points) <u>10</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

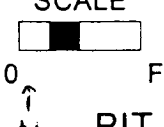
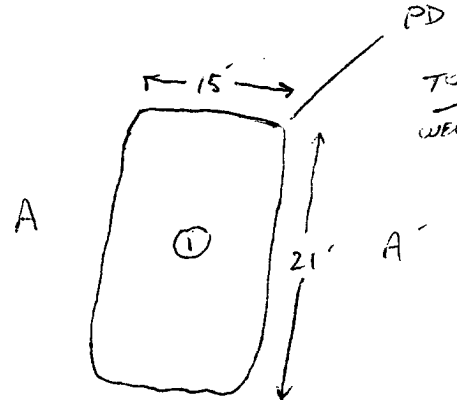
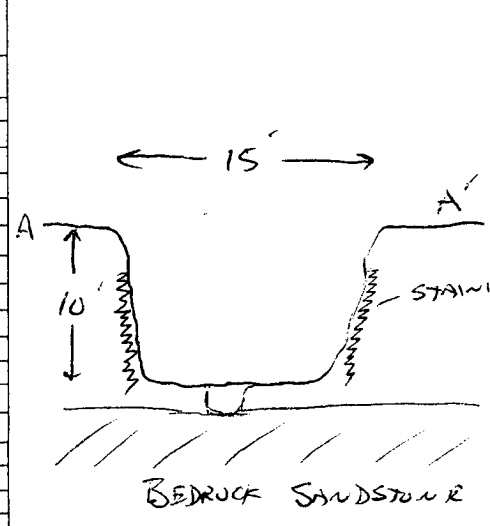
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved 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: \_\_\_\_\_  
Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. 3 Signature B. A. Bell Date: DEC 27 2006

CLIENT: <u>BP</u>	<b>BLAGG ENGINEERING, INC.</b> <b>P.O. BOX 87, BLOOMFIELD, NM 87413</b> <b>(505) 632-1199</b>	LOCATION NO: <u>B1286</u> COCR NO: <u>11351</u>																																																																																								
<b>FIELD REPORT: PIT CLOSURE VERIFICATION</b>		PAGE No: <u>1</u> of <u>1</u>																																																																																								
LOCATION: NAME: <u>GRAWFORD GC B WELL # 1E</u> TYPE: <u>DEHX</u> QUAD/UNIT: <u>J</u> SEC: <u>24</u> TWP: <u>29N</u> RNG: <u>13W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1520'S/1520'E</u> NW/SE CONTRACTOR: <u>FLINT (BEN)</u>		DATE STARTED: <u>9-23-03</u> DATE FINISHED: <u>9-23-03</u> ENVIRONMENTAL SPECIALIST: <u>JCB</u>																																																																																								
EXCAVATION APPROX. <u>21</u> FT. x <u>15</u> FT. x <u>10</u> FT. DEEP. CUBIC YARDAGE: <u>75</u>																																																																																										
DISPOSAL FACILITY: <u>ONSITE</u> REMEDIATION METHOD: <u>LF</u>																																																																																										
LAND USE: <u>RANGE</u> LEASE: <u>NM 073679 FEE</u> FORMATION: <u>DK</u>																																																																																										
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>138</u> FT. <u>S64°W</u> FROM WELLHEAD.																																																																																										
DEPTH TO GROUNDWATER: <u>&gt;100</u> NEAREST WATER SOURCE: <u>&gt;1000</u> NEAREST SURFACE WATER: <u>&lt;1000</u>																																																																																										
NMOCD RANKING SCORE: <u>10</u> NMOCD TPH CLOSURE STD: <u>1000</u> PPM																																																																																										
SOIL AND EXCAVATION DESCRIPTION:																																																																																										
SOIL TYPE: <u>(SAND)</u> / SILTY SAND / SILT / SILTY CLAY / CLAY / <u>(GRAVEL)</u> / OTHER <u>✓ COBBLES</u> SOIL COLOR: <u>GRAY/BLACK</u> 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 <u>(SLIGHTLY MOIST)</u> / MOIST / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: <u>(YES)</u> / NO EXPLANATION - <u>GRAY/BLACK</u> HC ODOR DETECTED: <u>(YES)</u> / NO EXPLANATION - <u>STRONG</u> SAMPLE TYPE: <u>(GRAB)</u> / COMPOSITE - # OF PTS. ADDITIONAL COMMENTS: <u>EMPTY PIT. EXCAVATED TO BEDROCK FOUND @ 12' BG.</u> <u>BEDROCK BOTTOM</u> <u>SAMPLED BOTTOM CENTER W/ BACKHOE</u>																																																																																										
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>SCALE</p>  <p>0 10 FT</p> <p>N</p> </div> <div style="width: 65%;"> <p style="text-align: center;">FIELD 418.1 CALCULATIONS</p> <table border="1" style="width:100%; border-collapse: collapse;"> <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> </div> </div>			SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)																																																																																
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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>9-23-03</u> ONSITE: <u>9-23-03</u> <u>1400</u>																																																																																										

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

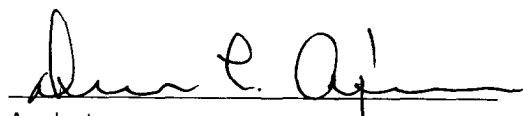
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	Dehy #1 @ 12'	Date Reported:	09-24-03
Laboratory Number:	26693	Date Sampled:	09-23-03
Chain of Custody No:	11351	Date Received:	09-23-03
Sample Matrix:	Soil	Date Extracted:	09-24-03
Preservative:	Cool	Date Analyzed:	09-24-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

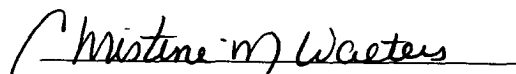
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	388	0.2
Diesel Range (C10 - C28)	97.5	0.1
Total Petroleum Hydrocarbons	486	0.2

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: Crawford GC B #1E.

  
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 #1 @ 12'	Date Reported:	09-24-03
Laboratory Number:	26693	Date Sampled:	09-23-03
Chain of Custody:	11351	Date Received:	09-23-03
Sample Matrix:	Soil	Date Analyzed:	09-24-03
Preservative:	Cool	Date Extracted:	09-24-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	212	1.8
Toluene	1,000	1.7
Ethylbenzene	703	1.5
p,m-Xylene	2,610	2.2
o-Xylene	1,350	1.0
Total BTEX	5,880	

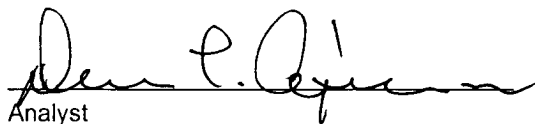
ND - Parameter not detected at the stated detection limit.

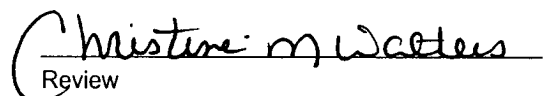
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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: Crawford GC B #1E.

  
Analyst

  
Review

CLIENT: <u>BP</u>	<b>BLAGG ENGINEERING, INC.</b> P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>81286</u> C.O.C. NO: <u>13865</u>
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## FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>CRAWFORD GC B</u> WELL #: <u>1E</u> PITS: _____ QUAD/UNIT: <u>J</u> SEC: <u>24</u> TWP: <u>29N</u> RNG: <u>12W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: _____ NW/SE CONTRACTOR: <u>FLINT (BEM)</u>	DATE STARTED: <u>4/14/05</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------

SOIL REMEDIATION: _____ REMEDIATION SYSTEM: <u>LANDFARM</u> LAND USE: <u>RANGE - FEE USE</u>	APPROX. CUBIC YARDAGE: _____ LIFT DEPTH (ft): <u>0.5-1</u>
----------------------------------------------------------------------------------------------------	---------------------------------------------------------------

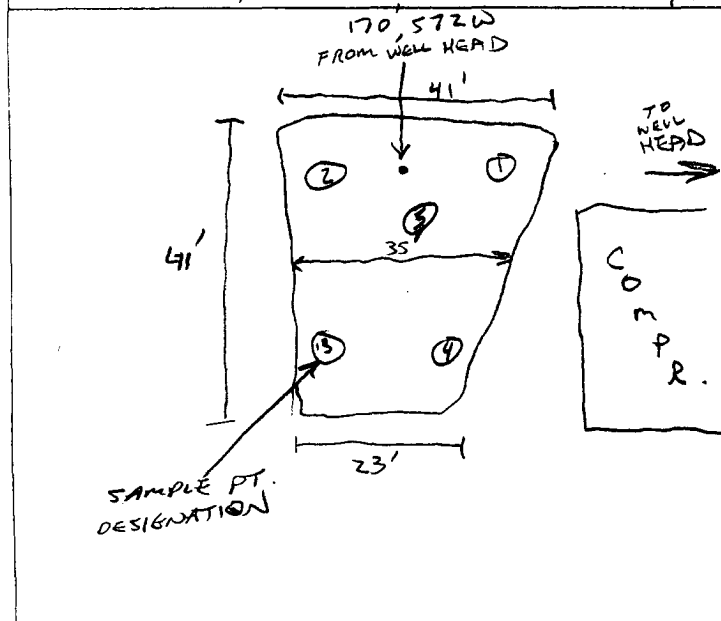
FIELD NOTES & REMARKS:	NMDCD RANKING SCORE: <u>10</u> NMDCD TPH CLOSURE STD: <u>1,000</u> ppm DEPTH TO GROUNDWATER: <u>&gt;100'</u> NEAREST WATER SOURCE: <u>&gt;1,000'</u> NEAREST SURFACE WATER: <u>&lt;1,000'</u>	
------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

SOIL TYPE: (SAND) / SILTY SAND / SILT / SILTY CLAY / CLAY / (GRAVEL) / OTHER: GLACIAL COBBLES  
 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: SLIGHTLY FROM SAMP. PTS. ①, ②, & ④  
 SAMPLING DEPTHS (LANDFARMS): 6-12 (INCHES)  
 SAMPLE TYPE: GRAB / (COMPOSITE) - # OF PTS. —  
 ADDITIONAL COMMENTS: \_\_\_\_\_

### 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. 53.1 ppm  
 OVM CALIB. GAS = 100 ppm; RF = 0.52  
 TIME: 8:00 @pm DATE: 4/14/05

### OVM RESULTS

### LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	TPH (80158)	1100	117

P.C. - 9/23/03

SCALE  
  
 0 FT

TRAVEL NOTES: CALLOUT: N/A ONSITE: 4/14/05

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

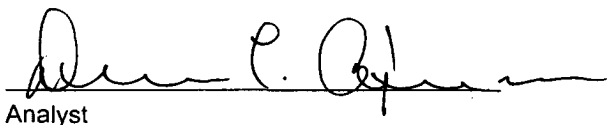
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	04-16-05
Laboratory Number:	32642	Date Sampled:	04-14-05
Chain of Custody No:	13865	Date Received:	04-15-05
Sample Matrix:	Soil	Date Extracted:	04-15-05
Preservative:	Cool	Date Analyzed:	04-16-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

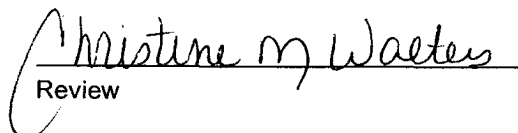
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	117	0.1
Total Petroleum Hydrocarbons	117	0.2

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: **Crawford GC B #1E - Landfarm 5 Pt. Composite Sample.**

  
Analyst

  
Review