

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  
1720 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

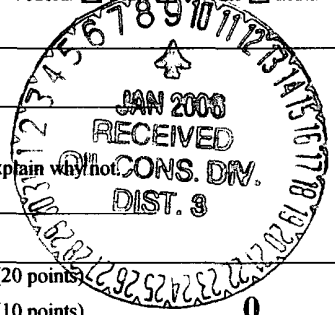
**Pit or Below-Grade Tank Registration or Closure**

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 PROD. CO. Telephone: (505-326-9200) e-mail address: \_\_\_\_\_  
 Address: 200 ENERGY COURT, FARMINGTON, NM 87410  
 Facility or well name: LUDWICK A #1E API #: 30-045- 25467 U/L or Qtr/Qtr D Sec 19 T 30N R 10W  
 County: SAN JUAN Latitude 36.80162 Longitude 107.93113 NAD: 1927  1983  Surface Owner Federal  State  Private  Indian

Pit	Below-grade tank		
Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input checked="" type="checkbox"/> SEP/COMP 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	Volume: _____ bbl Type of fluid: <u>N/A</u> 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 (20 points) 50 feet or more, but less than 100 feet (10 points) 100 feet or more ( 0 points)		<b>0</b>
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)		<b>0</b>
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)		<b>0</b>
	<b>Ranking Score (Total Points)</b>		<b>0</b>



**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: PIT LOCATED APPROXIMATELY 75 FT. S27W FROM WELL HEAD.  
PIT EXCAVATION: WIDTH n/a ft., LENGTH n/a ft., DEPTH n/a ft.  
 PIT REMEDIATION: CLOSE AS IS:  LANDFARM:  COMPOST:  STOCKPILE:  OTHER  (explain)  
 Cubic yards: N/A  
**BEDROCK BOTTOM**

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: 09/08/04

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: \_\_\_\_\_  
 Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. 3 Signature Brandt Bell Date: JAN 09 2006

CLIENT: <u>BP</u>	<b>BLAGG ENGINEERING, INC.</b> P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80760</u>
		COCR NO: <u>12997</u>

**FIELD REPORT: PIT CLOSURE VERIFICATION**

PAGE No: 1 of 1

LOCATION: NAME: LUDWICK A WELL #: 1E TYPE: SEP/COMP.  
 QUAD/UNIT: D SEC: 19 TWP: 30N RNG: 10W PM: NM CNTY: SJ ST: NM  
 QTR/FOOTAGE: 1050 FWL x 790 FWL <sup>NW/4</sup> CONTRACTOR: HD (JUAQUIN)

DATE STARTED: 9-7-04  
 DATE FINISHED: 9-7-04  
 ENVIRONMENTAL SPECIALIST: JCB

EXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: 0  
 DISPOSAL FACILITY: NA REMEDIATION METHOD: CLOSE AS IS  
 LAND USE: RANGE - BLM LEASE: SF 078194 FORMATION: MV/DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 75 FT. S 27 W FROM WELLHEAD.  
 DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000  
 NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

**SOIL AND EXCAVATION DESCRIPTION:**

OVM CALIB. READ. = 53.8 ppm  
 OVM CALIB. GAS = 100 ppm RF = 0.52  
 TIME: NOON am/pm DATE: 9-7

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER SAND  
 SOIL COLOR: Yellow TAN 0'-2' GRAY 2'-7'  
 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 From Precipitation in Pit  
 DISCOLORATION/STAINING OBSERVED: (YES) NO EXPLANATION - GRAY  
 HC ODOR DETECTED: YES / NO EXPLANATION - STRONG  
 SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS.  
 ADDITIONAL COMMENTS: 15' x 15' x 3 1/2' Deep Earthen Pit w/ Precipitation in Pit. Use Backhoe to dig Test TRENCH.

**CLOSED**

BEDROCK Bottom

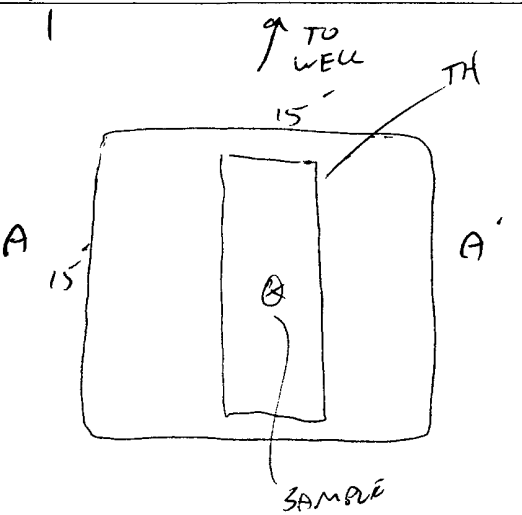
**FIELD 418.1 CALCULATIONS**

**SCALE**

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

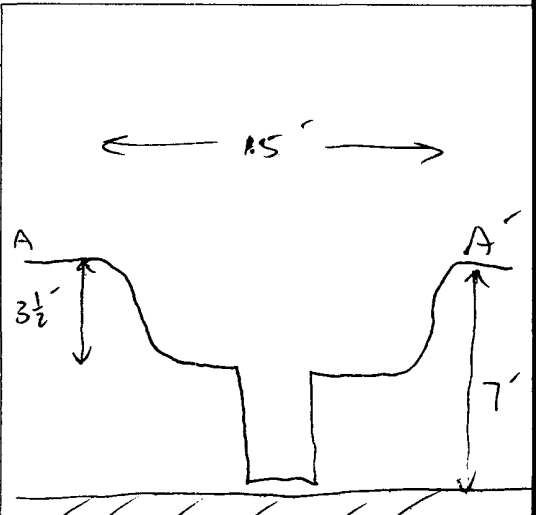
**PIT PERIMETER**

**PIT PROFILE**



**OVM READING**

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 7'	199
2 @	
3 @	
4 @	
5 @	



**LAB SAMPLES**

SAMPLE ID	ANALYSIS	TIME
107	TPH - BTEX	1140
<b>PASSED</b>		

^D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM

TRAVEL NOTES: CALLOUT: 9/7/04 ONSITE: 9/7/04 1100

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

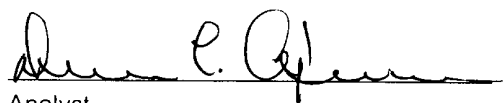
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 7'	Date Reported:	09-08-04
Laboratory Number:	30398	Date Sampled:	09-07-04
Chain of Custody No:	12897	Date Received:	09-07-04
Sample Matrix:	Soil	Date Extracted:	09-07-04
Preservative:	Cool	Date Analyzed:	09-08-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

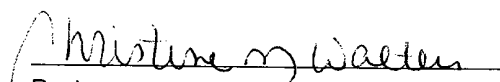
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2,690	0.2
Diesel Range (C10 - C28)	221	0.1
Total Petroleum Hydrocarbons	2,910	0.2

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: **Ludwick A 1E Sep/Comp. Pit.**

  
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 @ 7'	Date Reported:	09-08-04
Laboratory Number:	30398	Date Sampled:	09-07-04
Chain of Custody:	12897	Date Received:	09-07-04
Sample Matrix:	Soil	Date Analyzed:	09-08-04
Preservative:	Cool	Date Extracted:	09-07-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	3,310	1.8
Toluene	1,900	1.7
Ethylbenzene	1,420	1.5
p,m-Xylene	1,950	2.2
o-Xylene	2,260	1.0
<b>Total BTEX</b>	<b>10,840</b>	

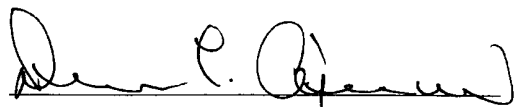
ND - Parameter not detected at the stated detection limit.

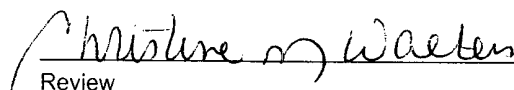
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97 %
	1,4-difluorobenzene	97 %
	Bromochlorobenzene	97 %

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: Ludwick A 1E Sep/Comp. Pit.

  
Analyst

  
Review

EPA METHOD 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons

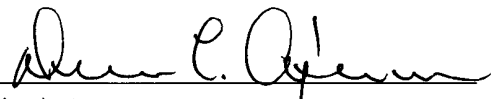
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 5'	Date Reported:	09-08-04
Laboratory Number:	30399	Date Sampled:	09-07-04
Chain of Custody No:	12897	Date Received:	09-07-04
Sample Matrix:	Soil	Date Extracted:	09-07-04
Preservative:	Cool	Date Analyzed:	09-08-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

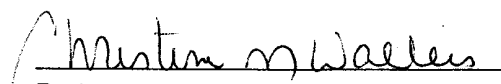
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	4,490	0.2
Diesel Range (C10 - C28)	152	0.1
Total Petroleum Hydrocarbons	4,640	0.2

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: Ludwick A 1E Blow Pit.

  
Analyst

  
Review