

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: Schwerdtfeger LS #2 API #: 3004510343 U/L or Qtr/Qtr G Sec 27 T 31N R 9W  
County: San Juan Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ NAD: 1927 ☐ 1983 ☐  
Surface Owner: Federal ☐ State ☐ Private ☐ Indian ☐

<b>Pit</b> 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	<b>Below-grade tank</b> 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) 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)	

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

NOV 2005  
RECEIVED  
OIL CONS. DIV.  
DIST. 3

2 of 2

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 \_\_\_\_\_ Signature Denny Font Date: \_\_\_\_\_

District I  
P.O. Box 1980, Hobbs, NM  
District II  
P.O. Drawer DD, Artesia, NM 88211  
District III  
1000 Rio Brazos Rd, Aztec, NM 87410

**OIL CONSERVATION DIVISION**  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO  
APPROPRIATE  
DISTRICT OFFICE  
AND 1 COPY TO  
SANTA FE OFFICE

Operator: Amoco Production Company Telephone: (505) - 326-9200

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: SCHWERTFEGER LS #2  
Well Name

Location: Unit or Qtr/Qtr sec G sec 27 T31N R 9W County SAN JUAN

Pit Type: <sup>ABANDONED</sup> Separator ☒ Dehydrator ☐ Other ☐

Land Type: BLM ☒, State ☐, Fee ☐, Other ☐

Pit Location: Pit dimensions: length 10', width 11', depth 5'  
(Attach diagram) Reference: wellhead ☒, other ☐

Footage from reference: 93'

Direction from reference: 88 Degrees ☐ East North ☐  
☒ West <sup>of</sup> South ☒

Depth To Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water)

Less than 50 feet	(20 points)	
50 feet to 99 feet	(10 points)	
Greater than 100 feet	(0 Points)	<u>0</u>

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 perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)

Less than 200 feet	(20 points)	
200 feet to 1000 feet	(10 points)	
Greater than 1000 feet	(0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 0

80819 ARAN. SEP.

Date Remediation Started: \_\_\_\_\_ Date Completed: 12/7/00

Remediation Method: Excavation ☒ Approx. cubic yards 15  
(Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation \_\_\_\_\_  
Other \_\_\_\_\_

Remediation Location: Onsite ☒ Offsite \_\_\_\_\_  
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: \_\_\_\_\_

Excavation. BEDROCK BOTTOM.

Ground Water Encountered: No ☒ Yes \_\_\_\_\_ Depth \_\_\_\_\_

Final Pit: Sample location see Attached Documents

Closure Sampling: \_\_\_\_\_

(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth 2' (WEST SIDEWALL)

Sample date 12/7/00 Sample time 0735

Sample Results

Benzene(ppm) \_\_\_\_\_

Total BTEX(ppm) \_\_\_\_\_

Field headspace(ppm) 0.0 / 7.1 <sup>PIT BOTTOM</sup>

TPH ND

Ground Water Sample: Yes \_\_\_\_\_ No ☒ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 12/7/00

SIGNATURE B. Shaw

PRINTED NAME  
AND TITLE

Buddy D. Shaw  
Environmental Coordinator

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80819</u> C.O.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>SCHWERTFEGER</u> LS WELL #: <u>2</u> PIT: <u>ABAN. SEP</u> QUAD/UNIT: <u>G</u> SEC: <u>27</u> TWP: <u>31 N</u> RNG: <u>9 W</u> PM: <u>Nm</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>150' N / 1650' E</u> SUNE CONTRACTOR: <u>FLINT</u>	DATE STARTED: <u>12/7/00</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
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EXCAVATION APPROX. <u>10</u> FT. x <u>11</u> FT. x <u>5</u> FT. DEEP.	CUBIC YARDAGE: <u>15</u>
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>LANDFARMED</u>	
LAND USE: <u>RANGE</u> LEASE: <u>NM-013685</u> FORMATION: <u>MV</u> <span style="margin-left: 100px;">(408001565)</span>	

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>93</u> FT. <u>588W</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>&gt;100'</u> NEAREST WATER SOURCE: <u>&gt;1000'</u> NEAREST SURFACE WATER: <u>&gt;1000'</u> NMOC RANKING SCORE: <u>0</u> NMOC TPH CLOSURE STD: <u>5000</u> PPM SOIL AND EXCAVATION DESCRIPTION: <u>ELEV. 6218'</u>
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CHECK ONE:  
☒ PIT ABANDONED  
☐ STEEL TANK INSTALLED  
☐ FIBERGLASS TANK INSTALLED

SIDEWALLS - MOD. YEL. BROWN SAND PASSING INTO FINE GR. SANDSTONE, NON COHESIVE  
 SLIGHTLY MOIST, FIRM TO DENSE, NO APPARENT DISCOLORATION OBSERVED OR  
 HC ODOR DETECTED WITHIN EXCAVATION OR OVM SAMPLE.

BOTTOM - MED. GRAY (DISCOLORATION) BEDROCK (SANDSTONE), VERY HARD, NO APPARENT  
 HC ODOR IN OVM SAMPLE.

BEDROCK  
Bottom  
(SS)

CLOSED

SCALE

0 FT

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0735	④ @ 2'	TAH-2084	5	20	1:1	5	ND

PIT PERIMETER AN

PIT PROFILE

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 2'	0.0
2 @ 2'	0.0
3 @ 2'	0.0
4 @ 2'	0.0
5 @ 5'	7.1

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

TRAVEL NOTES:	CALLOUT: <u>12/6/00 - AFTER.</u>	ONSITE: <u>12/7/00 - MORN.</u>
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**BLAGG ENGINEERING, INC.**

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

**FIELD MODIFIED EPA METHOD 418.1  
TOTAL PETROLEUM HYDROCARBONS**

Client: BP AMOCO  
Sample ID: 4 @ 2'  
Project Location: Schwerdtfeger LS # 2  
Laboratory Number: TPH-2084

Project #:  
Date Analyzed: 12-07-00  
Date Reported: 12-07-00  
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	ND	20

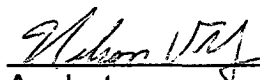
ND = Not Detectable at stated detection limits.

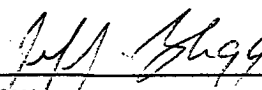
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	96	76	23.26

\*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Abandoned Separator Pit - B0819

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Review

CLIENT: <u>BP</u>	<b>BLAGG ENGINEERING, INC.</b> P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80819</u> C.O.C. NO: <u>9765</u>
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## FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>SCHWERTFEGER</u> LS WELL #: <u>2</u> PITS: <u>DEHY, SEP</u> QUAD/UNIT: <u>G SEC: 27 TWP: 31N RNG: 9W</u> PM: <u>NM</u> CNTY: <u>ST NM</u> QTR/FOOTAGE: <u>SW/NE</u> CONTRACTOR: <u>FUNT</u>	DATE STARTED: <u>1/29/02</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
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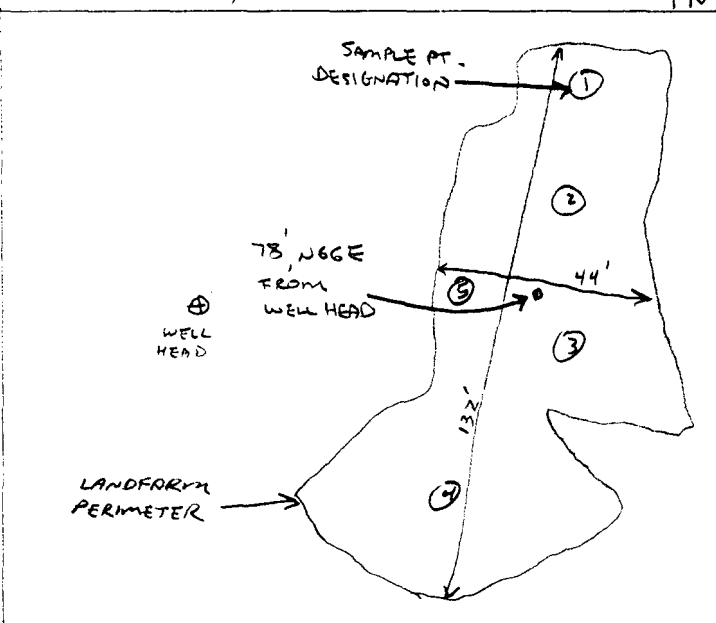
SOIL REMEDIATION:	95
REMEDICATION SYSTEM: <u>LANDFARM</u>	APPROX. CUBIC YARDAGE: <u>95</u>
LAND USE: <u>RANGE - BLM</u>	LIFT DEPTH (ft): <u>0.5-1</u>

FIELD NOTES & REMARKS:	NMCD RANKING SCORE: <u>0</u>	NMCD TPH CLOSURE STD: <u>5000</u> ppm
DEPTH TO GROUNDWATER: <u>&gt;100'</u>	NEAREST WATER SOURCE: <u>&gt;1000'</u>	NEAREST SURFACE WATER: <u>&gt;1000'</u>
SOIL TYPE: <u>(SAND)</u> / <u>(SILTY SAND)</u> / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER <u>BEDROCK (SHALE) FRAGMENTS</u> SOIL COLOR: <u>MOD. TO OK. YELL. BROWN</u> COHESION (ALL OTHERS): <u>(NON COHESIVE)</u> / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): LOOSE / <u>(FIRM)</u> / DENSE / VERY DENSE PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD <span style="float: right;"><u>CLOSED</u></span> MOISTURE: DRY / <u>(SLIGHTLY MOIST)</u> / MOIST / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: <u>(YES)</u> / NO EXPLANATION - <u>SMALL ISOLATED PATCHES OF ASPHALT TYPE SOLIDS ON SURFACE</u> HC ODOR DETECTED: YES / <u>(NO)</u> EXPLANATION - _____ SAMPLING DEPTHS (LANDFARMS): _____ (INCHES) SAMPLE TYPE: GRAB / <u>(COMPOSITE)</u> # OF PTS. <u>5</u> 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. 51.0 ppm  
 OVM CALIB. GAS = 100 ppm; RF = 0.52  
 TIME: 9:15 am DATE: 1/28/02

### OVM RESULTS

### LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	TPH (80158)	1320	627

### SCALE



TRAVEL NOTES: CALLOUT: N/A ONSITE: 1/29/02

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

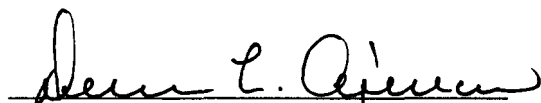
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	02-04-02
Laboratory Number:	21969	Date Sampled:	01-29-02
Chain of Custody No:	9765	Date Received:	01-29-02
Sample Matrix:	Soil	Date Extracted:	02-04-02
Preservative:	Cool	Date Analyzed:	02-04-02
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

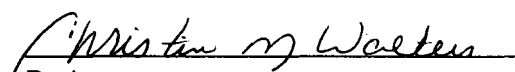
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	627	0.1
Total Petroleum Hydrocarbons	627	0.2

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: **Schwerdtfeger LS #2 Landfarm 5 Pt. Composite.**

  
Analyst

  
Review