

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 ☐

**Pit**

Type: Drilling ☐ Production ☒ Disposal ☐

Workover ☐ Emergency ☐

Lined ☐ Unlined ☐

Liner type: Synthetic ☐ Thickness \_\_\_\_\_ mil Clay ☐

Pit Volume \_\_\_\_\_ bbl

**Below-grade tank**

Volume: \_\_\_\_\_ bbl Type of fluid: \_\_\_\_\_

Construction material: \_\_\_\_\_

Double-walled, with leak detection? Yes ☐ 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.)

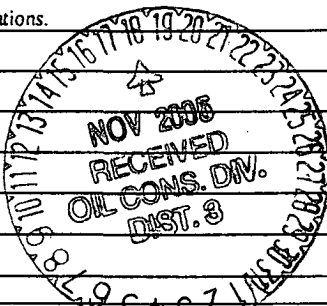
Less than 200 feet (20 points)  
200 feet or more, but less than 1000 feet (10 points)  
1000 feet or more (0 points)

**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



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 Henry F. [Signature]

Date: NOV 18 2005

30819

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

## State of New Mexico

Energy, Minerals and Natural Resources Department

## 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

**PIT REMEDIATION AND CLOSURE REPORT**Operator: Amoco Production Company Telephone: (505) - 326-9200Address: 200 Amoco Court, Farmington, New Mexico 87401Facility Or: SCHWERTFEGER LS #2

Well Name

Location: Unit or Qtr/Qtr Sec 6 Sec 27 T 31N R 9W County SAN JUANPit Type: Separator ABANDONED Dehydrator ☒ Other                     Land Type: BLM ☒, State           , Fee           , Other                     Pit Location: Pit dimensions: length 20', width 28', depth 4'  
(Attach diagram)Reference: wellhead X, other                     Footage from reference: 56'Direction from reference: 6 Degrees            East North ☒  
           of             
☒ West 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) 0**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) 0**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) 0  
Greater than 1000 feet (0 points)           RANKING SCORE (TOTAL POINTS): 0

B0819

ABAN. DEHY.

Date Remediation Started: \_\_\_\_\_ Date Completed: 12/6/00Remediation Method: Excavation ☒  
(Check all appropriate sections)Landfarmed ☒Approx. cubic yards 80

Insitu Bioremediation \_\_\_\_\_

Other \_\_\_\_\_

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

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

Excavation - mostly BEDROCK.

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

Final Pit:

Closure Sampling:

(if multiple samples,  
attach sample results  
and diagram of sample  
locations and depths)Sample location see Attached DocumentsSample depth 2' (WEST SIDEWALK)Sample date 12/4/00Sample time 1110

Sample Results

Benzene(ppm) 0.0953Total BTEX(ppm) 6.160Field headspace(ppm) 204.4 / 30.9 <sup>PIT BOTTOM</sup>TPH 153 ppmGround 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 BELIEFDATE 12/6/00

SIGNATURE

B. ShawPRINTED NAME  
AND TITLEBuddy D. Shaw  
ENVIRONMENTAL COORDINATOR

3004510343

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80819</u> C.D.C. NO: <u>8252</u>
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## FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: <u>SCHWERTFEGER</u> LS WELL #: <u>2</u> PIT: <u>ABAND. DEHY</u>	DATE STARTED: <u>12/4/00</u>
QUAD/UNIT: <u>6</u> SEC: <u>27</u> TWP: <u>31N</u> RNG: <u>9W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u>	DATE FINISHED: _____
QTR/FOOTAGE: <u>1750'N/1650'E</u> SUNE CONTRACTOR: <u>FUNT</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>

EXCAVATION APPROX. 20 FT. x 28 FT. x 4 FT. DEEP. CUBIC YARDAGE: 80

DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFILLED

LAND USE: RANGE LEASE: SF 013685 FORMATION: MU

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 56 FT. N6W FROM WELLHEAD.DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'NMOC RANKING SCORE: 0 NMOC TPH CLOSURE STD: 5000 PPM

## SOIL AND EXCAVATION

## DESCRIPTION:

OVM CALIB. READ: 53.4 ppmTIME: 1100 @/pm 12/4/00

## CHECK ONE

- ☒ PIT ABANDONED
- ☐ STEEL TANK INSTALLED
- ☐ FIBERGLASS TANK INSTALLED

M.O. YELL. ORANGE (NORTH & EAST SIDEWALLS), LT. OLIVE GRAY (SOUTH SIDEWALL), TO LT. TO DK. GRAY (WEST SIDEWALL) SAND TO BEDROCK, ALL OVM SAMPLES COLLECTED FROM BEDROCK (SANDSTONE) EXCEPT FOR WEST SIDEWALL, BEDROCK ON SIDEWALLS FRIABLE TO HARD, STRONG HC ODOR IN WEST SIDEWALL OVM SAMPLE ONLY.

BOTTOM - BEDROCK (SANDSTONE) LT. OLIVE GRAY TO LT. GRAY, VERY HARD, SLIGHT HC ODOR DETECTED IN OVM SAMPLE.

CLOSED

MOSTLY  
BEDROCK

(SS)

SCALE

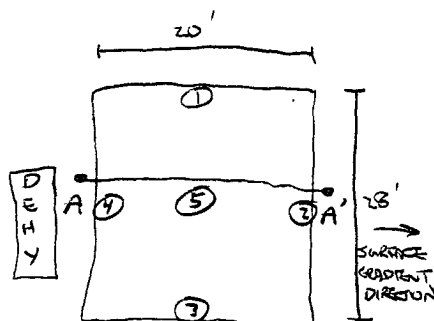


0 FT

## FIELD 418.1 CALCULATIONS

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

## PIT PERIMETER

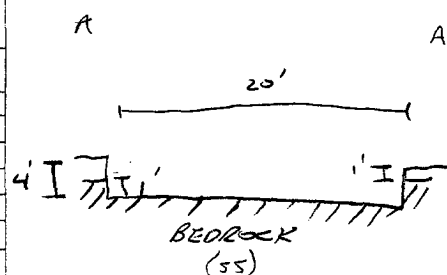
OVM  
RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 2'	16.8
2 @ 2'	2.8
3 @ 2'	0.0
4 @ 2'	204.4
5 @ 4'	30.9

## LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
(4) @ 2'	TPH BTGX	11/10

## PIT PROFILE



## TRAVEL NOTES:

CALLOUT: 12/4/00 - MORN.ONSITE: 12/4/00 - MORN.

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

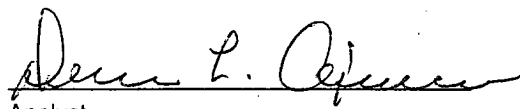
Client:	Blagg / BP	Project #:	403410
Sample ID:	4 @ 2'	Date Reported:	12-06-00
Laboratory Number:	18928	Date Sampled:	12-04-00
Chain of Custody No:	8252	Date Received:	12-05-00
Sample Matrix:	Soil	Date Extracted:	12-06-00
Preservative:	Cool	Date Analyzed:	12-06-00
Condition:	Cool and Intact	Analysis Requested:	8015.TPH

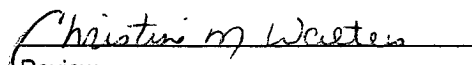
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	134	0.2
Diesel Range (C10 - C28)	18.9	0.1
Total Petroleum Hydrocarbons	153	0.1

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 Abandoned Dehydrator Pit.**

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	403410
Sample ID:	4 @ 2'	Date Reported:	12-06-00
Laboratory Number:	18928	Date Sampled:	12-04-00
Chain of Custody:	8252	Date Received:	12-05-00
Sample Matrix:	Soil	Date Analyzed:	12-06-00
Preservative:	Cool	Date Extracted:	12-06-00
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	95.3	1.8
Toluene	1,210	1.7
Ethylbenzene	533	1.5
p,m-Xylene	2,580	2.2
o-Xylene	1,740	1.0
Total BTEX	6,160	

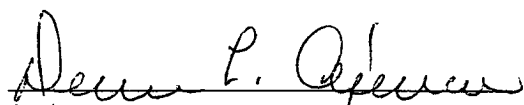
ND - Parameter not detected at the stated detection limit.

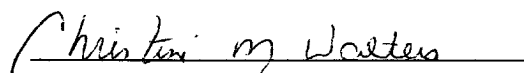
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

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: Schwerdtfeger LS #2 Abandoned Dehydrator Pit.

  
Analyst

  
Review