

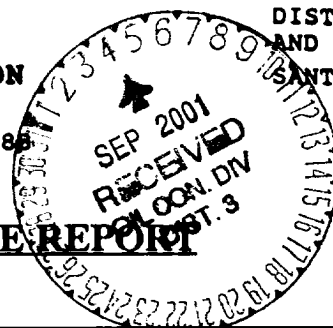
District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
100 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

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

SEP-OK-12/13/01

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



PIT REMEDIATION AND CLOSURE REPORT

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility or: SCHWERTPEGER A LS #10
Well Name

Location: Unit or Qtr/Qtr Sec 14L Sec 31 T28N R 8W County SAN JUAN

Pit Type: Separator X Dehydrator Other

Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: length 20', width 15', depth 18'
(Attach diagram)

Reference: wellhead X, other

Footage from reference: 65

Direction from reference: 60 Degrees East North X
of
X 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) 10

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)
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: _____ Date Completed: 9-1-94

Remediation Method: Excavation X Approx. cubic yards 150
(Check all appropriate sections) Landfarmed X Insitu Bioremediation _____
Other _____

Remediation Location: Onsite X offsite _____
(ie. landfarmed onsite,
name and location of
offsite facility) _____

General Description Of Remedial Action: _____
Excavation

Dmaxd letter correspondence 12-10-96

Ground Water Encountered: No X 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 20'

Sample date 9-1-94 Sample time _____

Sample Results

Benzene(ppm) 0.0042

Total BTEX(ppm) 0.1119

Field headspace(ppm) 255

TPH 552 ppm

Ground Water Sample: Yes _____ No X (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 9/13/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

AGE • FINAL RESULTS 9-8-94

CLIENT: <u>Amoco</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80073</u> C.O.C. NO: <u>1847</u>
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FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION: NAME: SCHWERTFEBER A LS WELL #: 10	PIT: SEP.	DATE STARTED: 9-1-94
QUAD/UNIT: M SEC: 31 TWP: 28 N RNG: 8 W BM: NM CNTY: ST ST: NM		DATE FINISHED:
QTR/FOOTAGE: 1180' FSL, 475' FWL CONTRACTOR: PAUL + SONS		ENVIRONMENTAL SPECIALIST: A LO

SOIL REMEDIATION: EXCAVATION APPROX. 15 FT. x 20 FT. x 18 FT. DEEP.
DISPOSAL FACILITY: ON SITE - L.F. CUBIC YARDAGE: 150
LAND USE: RN06 LEASE: # SF-079319 PC/MV

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 65 FEET N60W FROM WELLHEAD
DEPTH TO GROUNDWATER: >50' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOCB RANKING SCORE: 10 NMOCB TPH CLOSURE STD: 1000 PPM

SOIL AND EXCAVATION DESCRIPTION: SOIL IS BROWN, MOIST, SILTY SAND - NO ODOUR/STAIN

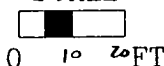
FIELD 418.1 CALCULATIONS

FIELD 418.1 CALCULATIONS						
SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

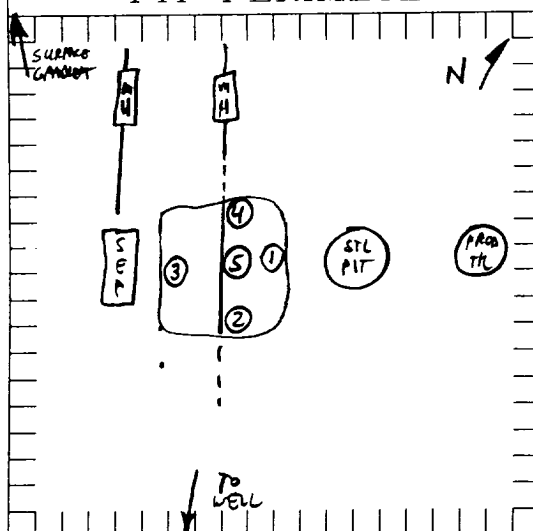
TPR = 552 ppm
STEX = PASSED

OK TO CLOSE

SCALE



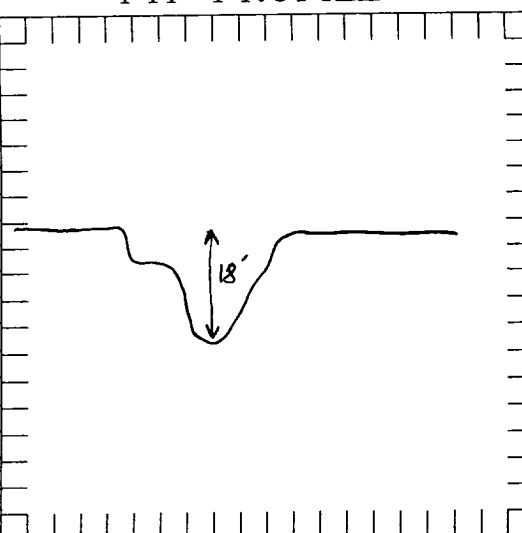
PIT PERIMETER



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 NSC 13'	6.6
2 ESC 10'	NA
3 SSC 8'	NA
4 WSC 13'	ND
5 BC 20'	255
LAB	SAMPLES
(5)	418.1
	67EX

PIT PROFILE



TRAVEL NOTES: CALLOUT: 9-1-94 ONSITE: 9-1-94 1330



TOTAL PETROLEUM HYDROCARBONS

Attn: *R. E. O'Neill*
Company: *Blagg Engineering*
Address: *P.O. Box 87*
City, State: *Bloomfield, NM 87413*

Date: *9/7/94*
Lab ID: *1847*
Sample No. *2891*
Job No. *2-1000*

Project Name: *Schwerdtfeger A LS #10*
Project Location: *Bottom @ 20'*
Sampled by: *REO*
Analyzed by: *DC*
Type of Sample: *Soil*

Date: *9/1/94* Time: *14:00*
Date: *9/7/94*

Laboratory Analysis

Laboratory Identification	Sample Identification	Total Petroleum Hydrocarbons
<i>2891-1847</i>	<i>Schwerdtfeger A LS #10</i> <i>Bottom @ 20'</i>	<i>552 mg/kg</i>

Method - EPA Method 418.1 Total Petroleum Hydrocarbons

Approved by:

Date:

Ja Gx
9/7/94

**ON SITE
TECHNOLOGIES, LTD.**
AROMATIC VOLATILE ORGANICS

Attn: *R. E. O'Neill*
Company: *Blagg Engineering*
Address: *P.O. Box 87*
City, State: *Bloomfield, NM 87413*

Date: *9/7/94*
Lab ID: *1847*
Sample ID: *2891*
Job No. *2-1000*

Project Name: *Schwerdtfeger A LS #10*
Project Location: *Bottom @ 20'*
Sampled by: *REO* Date: *9/1/94*
Analyzed by: *DLA* Date: *9/7/94*
Sample Matrix: *Soil*

Time: *14:00*

Aromatic Volatile Organics

Component	Measured Concentration ug/kg	Detection Limit Concentration ug/kg
<i>Benzene</i>	<i>4.2</i>	<i>0.2</i>
<i>Toluene</i>	<i>15.8</i>	<i>0.2</i>
<i>Ethylbenzene</i>	<i>5.7</i>	<i>0.2</i>
<i>m,p-Xylene</i>	<i>72.1</i>	<i>0.2</i>
<i>o-Xylene</i>	<i>14.0</i>	<i>0.2</i>
TOTAL <i>111.9 ug/kg</i>		

ND - Not Detectable

Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

Approved by: *DLA*

Date: *9/7/94*



80073

[illegible]

CLIENT: AMOCOBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: 80073C.D.C. NO: 5580

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME SCHWERTFEGER A LSWELL # 10 PITS: SEPDATE STARTED: 11.21.97

DATE FINISHED: _____

QUAD/UNIT: M SEC: 31 TWP: 28N RNG: 8W PM: NM CNTY: SS ST: NMQTP/FOOTAGE: 1180' FSL 475' FWL CONTRACTOR: P & SENVIRONMENTAL
SPECIALIST: NV/EP

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 150LAND USE: RANGELIFT DEPTH (ft): NA

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: <100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'NMOCED RANKING SCORE: 10 NMOCED TPH CLOSURE STD: 1000 PPM

SOIL IS DK. YELLOW W/LT. BROWN. DRY. NO STAIN OR HC ODOR.

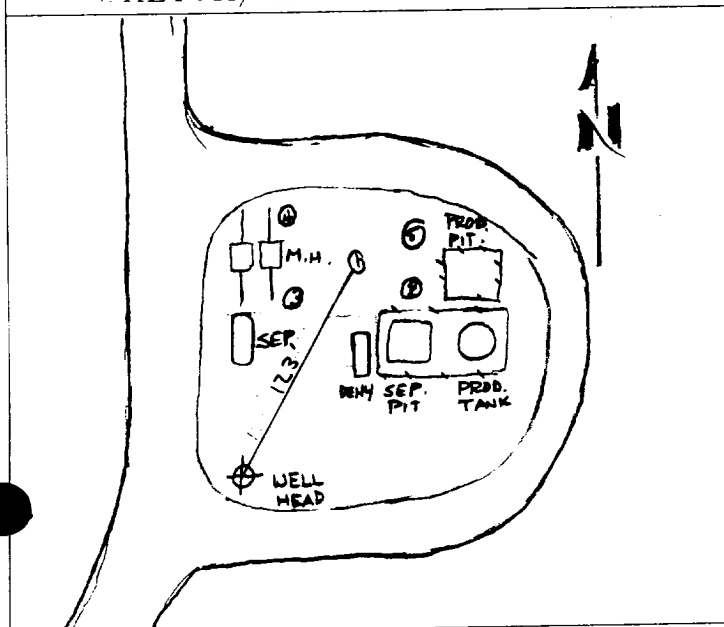
TOOK 5 PT COMP. SAMPLE FOR LAB ANALYSIS.

NO ACTUAL LANDFARM OBSERVED ON WELL SITE.

FIELD 418.1 CALCULATIONS

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

SKETCH/SAMPLE LOCATIONS



OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	8015	0940	ND

SCALE



0 FT

TRAVEL NOTES:

CALLOUT: N/AONSITE: 11.21.97 940

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

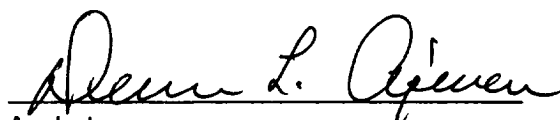
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	11-26-97
Laboratory Number:	C557	Date Sampled:	11-21-97
Chain of Custody No:	5580	Date Received:	11-24-97
Sample Matrix:	Soil	Date Extracted:	11-24-97
Preservative:	Cool	Date Analyzed:	11-25-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

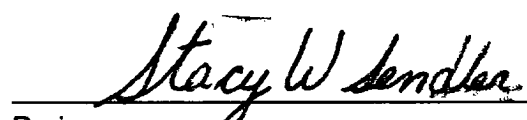
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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 A LS #10 Landfarm. 5 Pt. Composite.**


Analyst


Review

