

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Drawer DD, Artesia, NM 88211

District III

J 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***Denied 12/10/96 LF***Operator:** Amoco Production Company **Telephone:** (505) - 326-9200**Address:** 200 Amoco Court, Farmington, New Mexico 87401**Facility Or:** SCHWERTFEGER A LS #22
Well Name**Location:** Unit or Qtr/Qtr Sec D Sec 6 T27 N R 8W County SAN JUAN**Pit Type:** Separator X Dehydrator Other **Land Type:** BLM X, State , Fee , Other **Pit Location:** Pit dimensions: length 12', width 12', depth 6'
(Attach diagram)**Reference:** wellhead X, other **Footage from reference:** 20**Direction from reference:** 25 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: 9-2-94Remediation Method: Excavation X Approx. cubic yards 30
(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

_____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 7' (PIT Bottom)Sample date 9-2-94 Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 9.8TPH 26 ppmGround 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 BELIEFDATE 9/13/94

SIGNATURE

B. ShawPRINTED NAME
AND TITLEBuddy D. Shaw
Environmental Coordinator

RESULTS TO BOB MCLOY 9-2-94 REO

CLIENT: <u>Amo Co</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>B0074</u> C.O.C. NO: _____
-----------------------	--	---

FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION: NAME: SCHWERATFEBER A WELL #:	22	PIT:	SEP.	DATE STARTED:	9-2-14
QUAD/UNIT:	D	SEC:	6	TWP: 27 N	RNG: 8 W
		BM:	NM	CNTY:	SS ST. NM
QTR/FOOTAGE:	906' N. 1150' W.	CONTRACTOR:	PAUL + SONS	ENVIRONMENTAL SPECIALIST:	R E O

SOIL REMEDIATION: EXCAVATION APPROX. 12 FT. x 12 FT. x 6 FT. DEEP.
DISPOSAL FACILITY: ON SITE - L.F. CUBIC YARDAGE: 30
LAND USE: RANGE LEASE: * SF-079319

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 20 FEET N25°W FROM WELLHEAD
DEPTH TO GROUNDWATER: 750' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM

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

CLOSE PIT

FIELD 418.1 CALCULATIONS

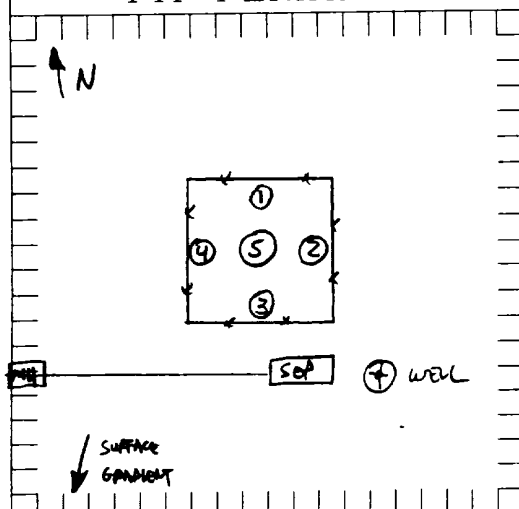
FIELD 418.1 CALCULATIONS						
SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
CB@ 7'	1106	10.0	20.0	-	13	26

SCALE



0 5 10 FT

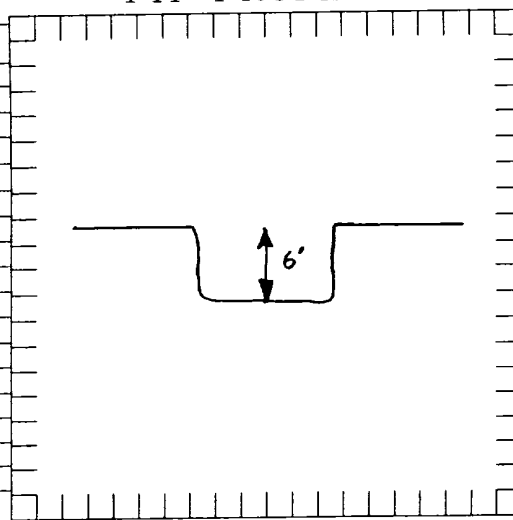
PIT PERIMETER



OVM RESULTS

[illegible]

PIT PROFILE



TRAVEL NOTES: CALLOUT: 9-1-94 ONSITE: 9-2-94 0900

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: Amoco
Sample ID: CB @ 7'
Project Location: Schwerdtfeger A 22
Laboratory Number: TPH-1106

Project #:
Date Analyzed: 9-02-94
Date Reported: 9-02-94
Sample Matrix: Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	26	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	440	450	2

*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: Separator Pit - B0074

R. E. ONeal
Analyst

J. C. Blagg
Review

BLAGG ENGINEERING, INC.

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

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

Field TPH-Worksheet

Max Characters:

Client:

Amoco

Project #:

Sample ID:

CB @ 7'

Date Analyzed:

9-02-94

Project Location:

Schwerdtfeger A 22

Date Reported:

9-02-94

Laboratory Number:

TPH-1106

Sample Matrix:

Soil

Sample Weight: 10.00 grams
Volume Freon: 20.00 mL
Dilution Factor: 1 (unitless)
TPH Reading: 13 mg/kg

TPH Result: 26.0 mg/kg
Reported TPH Result: 26 mg/kg
Actual Detection Limit: 10.0 mg/kg
Reported Detection Limit: 10 mg/kg

QA/QC:

Original
TPH mg/kg

Duplicate
TPH mg/kg

%
Diff.

440

450

2

Comments:

*****Max Characters*****

Comments:

Separator Pit - B0074

CLIENT: AMOCOBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: 80074C.O.C. NO: 5581

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: SCHWERTFEGER A WELL #: LS-22 PITS: SEP.DATE STARTED: 11-21-97

DATE FINISHED: _____

QUAD/UNIT: D SEC: 6 TWP: 27N RNG: 8W PM: NM CNTY: SS ST: NMENVIRONMENTAL
SPECIALIST: NV/EP.QTR/FOOTAGE: 904'N 1150'W CONTRACTOR: P+S

SOIL REMEDIATION:

REMEDICATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 30LAND USE: RANGELIFT DEPTH (ft): NA

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: 4100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'NMOCED RANKING SCORE: 10 NMOCED TPH CLOSURE STD: 1000 PPM

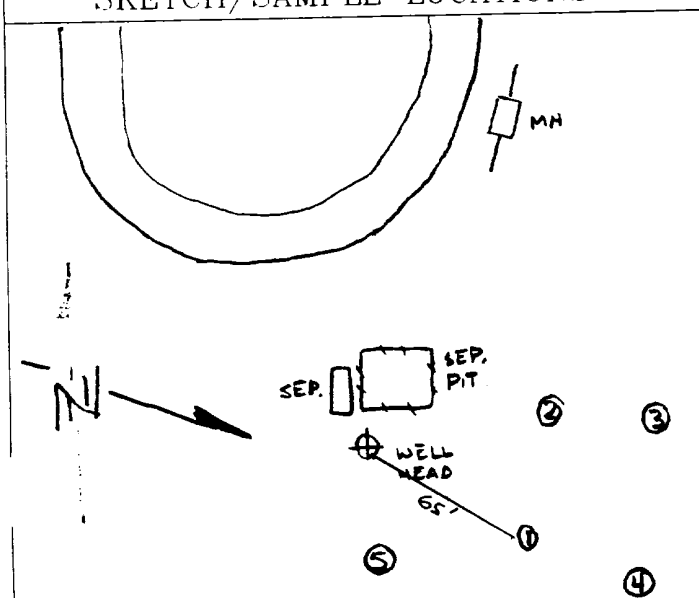
SOIL IS A DRY DARK YELLOW W/ LIGHT GREY, SILTY SAND.
NO STAIN OR H.C. ODR. TOOK 5 PT. COMP. SAMPLE FOR LAB ANALYSIS.
NO ACTUAL LANDFARM OBSERVED ON WELL SITE.

NO ACTUAL LANDFARM OBSERVED.

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	1000	ND

SCALE

0 FT

TRAVEL NOTES:

CALLOUT: N/AONSITE: 11-21-97 1000

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

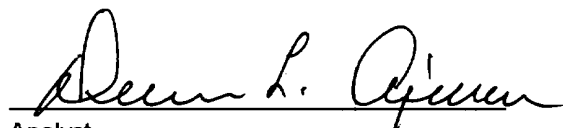
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	11-26-97
Laboratory Number:	C558	Date Sampled:	11-21-97
Chain of Custody No:	5581	Date Received:	11-24-97
Sample Matrix:	Soil	Date Extracted:	11-24-97
Preservative:	Cool	Date Analyzed:	11-25-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

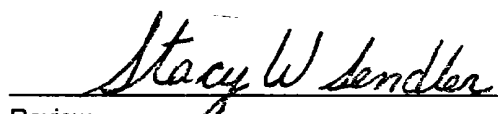
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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 #22 Landfarm. 5 Pt. Composite.**


Analyst


Review

[illegible]