

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

OK 80322
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

OCT - 7 1999

PIT REMEDIATION AND CLOSURE REPORT

OIL CON. DIV.
DIST. 3

5,000 TPH

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: FOSTER 2E
Well Name
Location: Unit or Qtr/Qtr Sec L Sec 18 T 26N R 7W County SAN JUAN
Pit Type: Separator Dehydrator Other TANK DRAIN
Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: length 15', width 15', depth 16'
Attach diagram) Reference: wellhead X, other
Footage from reference: 130'
Direction from reference: 15 Degrees X East North
of
 West South X

Depth To Ground Water: Less than 50 feet (20 points)
(Vertical distance from 50 feet to 99 feet (10 points)
contaminants to seasonal Greater than 100 feet (0 Points) 0
high water elevation of
ground water)

Wellhead Protection Area: Yes (20 points)
(Less than 200 feet from a private No (0 points) 0
domestic water source, or; less than
1000 feet from all other water sources)

Distance To Surface Water: Less than 200 feet (20 points)
(Horizontal distance to perennial 200 feet to 1000 feet (10 points)
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points) 0
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 1-19-96

Remediation Method: Excavation X Approx. cubic yards 100
 (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 12'

Sample date 1-19-96 Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 63

TPH 5000 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 2-5-96

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

RESULTS TO BOB McLOY 1-11-46

CLIENT: <u>Amoco</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>B0322</u> C.D.C. NO: <u>-</u>
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FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION: <u>FOSTER 2E</u>	PIT TYPE: <u>TANK DRAIN</u>	DATE STARTED: <u>1-19-96</u>
QUAD/UNIT: <u>L SEC: 18 TWP: 26 N</u>	RNG: <u>7W</u> BM: <u>NM</u> CNTY: <u>R. A. ST: NM</u>	DATE FINISHED: <u>1-19-96</u>
QTR/FOOTAGE: <u>NW/SW</u>	CONTRACTOR: <u>PAUL</u>	ENVIRONMENTAL SPECIALIST: <u>REO</u>
EXCAVATION APPROX. <u>15</u> FT. x <u>15</u> FT. x <u>16</u> FT. DEEP.		CUBIC YARDS: <u>100</u>
DISPOSAL FACILITY: <u>ON SITE</u>	REMEDICATION METHOD: <u>LANDFARM</u>	
LAND USE: <u>RANGE</u>	LEASE: <u>NM 067988</u>	FORMATION: <u>DAK</u>

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>130</u> FEET <u>S15°E</u> FROM WELLHEAD.		
DEPTH TO GROUNDWATER: <u>>100'</u>	NEAREST WATER SOURCE: <u>>1000'</u>	NEAREST SURFACE WATER: <u>>1000'</u>	
NMOC RANKING SCORE: <u>0</u>	NMOC TPH CLOSURE STD: <u>5000</u> PPM		

SOIL AND EXCAVATION DESCRIPTION: PIT DISPOSITION: ABANDONED

MOIST, BROWN, SILTY SAND - NO STAIN OR ODO.

CLOSE PIT

FIELD 418.1 CALCULATIONS

FIELD 481 CALCULATIONS						
SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
ES @ 12'	1660	10.0	20.0	10	252	5040
DUPLICATE	1660-A	10.0	20.0	10	250	5000

SCALE



0 5 10 FT

PIT PERIMETER

OVM RESULTS

PIT PROFILE

[illegible]

TRAVEL NOTES: CALLOUT: 1-18-96 ONSITE: 1-19-96 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	Project #:	
Sample ID:	East Side @ 12'	Date Analyzed:	1-19-96
Project Location:	Foster 2E	Date Reported:	1-19-96
Laboratory Number:	TPH-1660	Sample Matrix:	Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	5,000	100

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	5,040	5,000	1

*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: Tank Drain Pit - B0322

R. E. O'Neil
Analyst

Melvin V. J. 11/4/96
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:

East Side @ 12'

Date Analyzed:

1-19-96

Project Location:

Foster 2E

Date Reported:

1-19-96

Laboratory Number:

TPH-1660

Sample Matrix:

Soil

Sample Weight:

10.00 grams

Volume Freon:

20.00 mL

Dilution Factor:

10 (unitless)

TPH Reading:

252 mg/kg

TPH Result:

5040.0 mg/kg

Reported TPH Result:

5000.0 mg/kg

Actual Detection Limit:

100.0 mg/kg

Reported Detection Limit

100 mg/kg

QA/QC:

Original

TPH mg/kg

Duplicate

TPH mg/kg

%

Diff.

5040

5000

1

Comments:

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

Comments:

Tank Drain Pit - B0322

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80322</u> C.D.C. NO: <u>5606</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>FOSTER</u>	WELL #: <u>ZE</u>	PITS: <u>TANK DRAIN</u>	DATE STARTED: <u>11/22/97</u>
QUAD/UNIT: <u>L SEC: 18 TWP: 26N RNG: 7W PM: NM CNTY: RA ST: NM</u>	DATE FINISHED: _____		ENVIRONMENTAL SPECIALIST: <u>NV</u>
GTP/FOOTAGE: <u>NW14 SW14</u>	CONTRACTOR: <u>P & S</u>		

SOIL REMEDIATION:

REMEDIATION SYSTEM: LANDFARM APPROX. CUBIC YARDAGE: 100

LAND USE: RANGE LIFT DEPTH (ft): NA

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

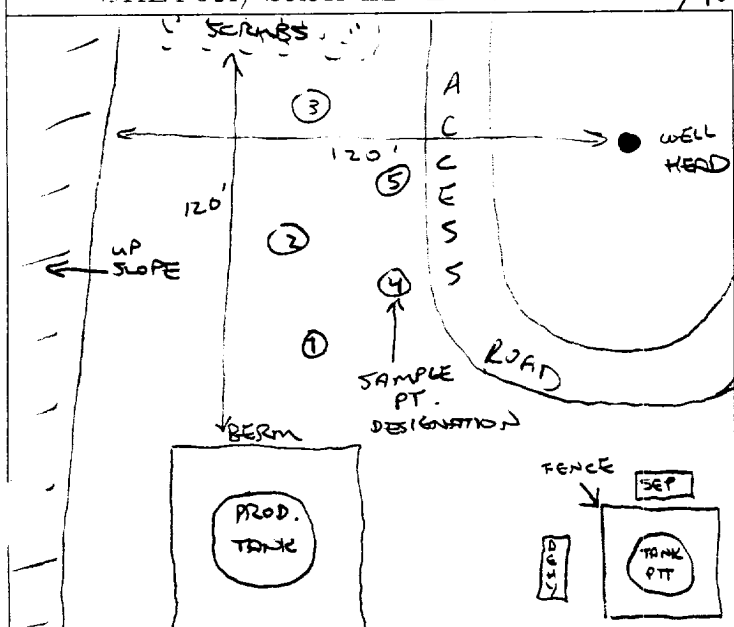
NMOCII RANKING SCORE: 2 NMOCII TPH CLOSURE STD: 5,000 PPM

NO ACTUAL LANDFARM OBSERVED ON LOCATION, COLLECTED SAMPLES W/ HAND AUGER @ DEPTHS RANGING FROM 6" TO 12" FROM GRADE, SOIL MOSTLY OK. YELL. BROWN SAND, NON COHESIVE, SLIGHTLY MOIST, FIRM, NO DISCOLORATION OR HC ODOR OBSERVED IN ANY OF THE SAMPLE PTS., COLLECTED 5 FT. COMPOSITE SAMPLE FOR LAB ANALYSIS.

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	TPH (8015)	0915	ND

SCALE

0 FT

TRAVEL NOTES: CALLOUT: NA ONSITE: 11/22/97

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

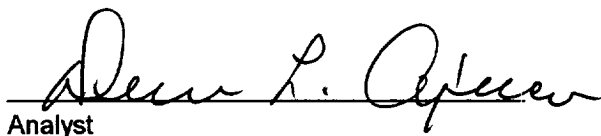
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	11-26-97
Laboratory Number:	C563	Date Sampled:	11-22-97
Chain of Custody No:	5606	Date Received:	11-24-97
Sample Matrix:	Soil	Date Extracted:	11-24-97
Preservative:	Cool	Date Analyzed:	11-25-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

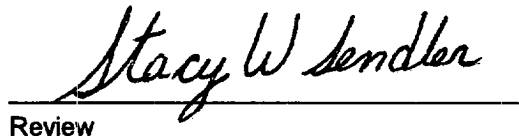
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Foster #2E Landfarm. 5 Pt. Composite.**


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name BAGG / Amoco			Project Location LANDFILL			ANALYSIS/PARAMETERS					
Sampler: (Signature) <i>William Vel</i>			Chain of Custody Tape No. 04034-10								
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	Remarks					
LF-1	11/22/97	0915	CS63	SOIL	1						
Sample received and in lab						JPH (8015)					
						PRESERV. - COOL					
						5 PT. COMPOSITE					
Relinquished by: (Signature) <i>William Vel</i>			Date 11/24/97	Time 0805	Received by: (Signature) <i>Edward L. Ciferri</i>			Date 11/24/97	Time 0905		
Relinquished by: (Signature)					Received by: (Signature)						
Relinquished by: (Signature)					Received by: (Signature)						

REF COCIS 5575-5584
5605-5615

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615