OK Bo 197

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

RECEIVED
OCT - 7 1999
OIL CON. DIV.
DIST. 3

PIT REMEDIATION AND CLOSURE REPORT

Denied 11/22/96 - L-F

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: McCulley LS 6
Well Name

Location: Unit or Qtr/Qtr Sec H Sec 15 T28N R9W County SAN JUAN

Pit Type: Separator X Dehydrator ___ Other ___

Land Type: BLM ___, State ___, Fee ___, Other Com. AGMT.

Pit Location: (Attach diagram)
Pit dimensions: length 10', width 10', depth 6'
Reference: wellhead X, other ___
Footage from reference: 18'
Direction from reference: 20 Degrees ___ East Northof
X West South X

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) Greater than 1000 feet (0 points)	0
	RANKING SCORE (TOTAL POINTS):	0

B0197

Date Remediation Started: _____ **Date Completed:** 12/27/94

Remediation Method: (Check all appropriate sections)
Excavation X Approx. cubic yards 22
Landfarmed X Insitu Bioremediation ___
Other _____

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

General Description Of Remedial Action: Excavation

Ground Water Encountered: No X Yes ___ Depth _____

Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents
Sample depth 8'
Sample date 12/27/94 Sample time 1245

Sample Results

Benzene(ppm) _____
Total BTEX(ppm) _____
Field headspace(ppm) 0.0
TPH 28 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 12/29/94
SIGNATURE B J Shaw
PRINTED NAME AND TITLE Buddy D. Shaw Environmental Coordinator

CLIENT: AMOCO	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: 80197 C.O.C. NO: 22

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: McCULLEY LS WELL #: 6 PIT: SEP

QUAD/UNIT: H SEC: 15 TWP: 28N RNG: 9W PM: NM CNTY: SJ ST: NM

QTR/FOOTAGE: 1460' FNL/800' FEL CONTRACTOR: P. VELASQUEZ

DATE STARTED: 12/27/94

DATE FINISHED:

ENVIRONMENTAL SPECIALIST: NV

EXCAVATION APPROX. 10 FT. x 10 FT. x 6 FT. DEEP. CUBIC YARDAGE: 22

DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFARMED

LAND USE: RANGE LEASE: NM-04208 FORMATION: PC

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 18 FT. S20W FROM WELLHEAD.

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

NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

CHECK ONE:

___ PIT ABANDONED

✓ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

DK. YELL. ORANGE TO MOD. YELL. BROWN SAND, NON-COHESIVE, SLIGHTLY MOIST, FIRM, NO APPARENT HC ODOR IN ANY OF THE OVM SAMPLES.

CLOSED

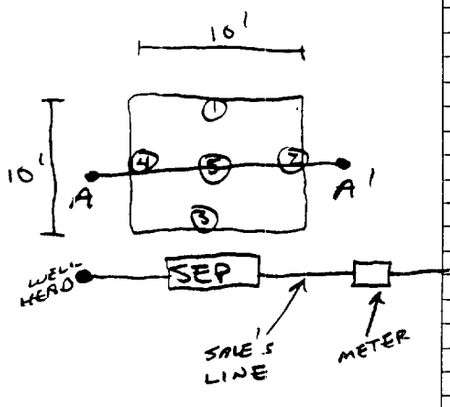
SCALE

0 FT

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1245	(5) @ 8'	TPH-1336	5	20	1:1	7	28

PIT PERIMETER



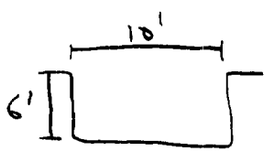
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 4'	0.0
2 @ 4'	0.0
3 @ 4'	0.0
4 @ 4'	0.0
5 @ 8'	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

PIT PROFILE



TRAVEL NOTES: CALLOUT: 12/20/94 ONSITE: 12/27/94

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:	5 @ 8'	Date Analyzed:	12-29-94
Project Location:	McCulley LS 6	Date Reported:	12-29-94
Laboratory Number:	TPH-1336	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	**28**	**20**

ND = Not Detectable at stated detection limits.

QA/QC:

QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
3560	3040	15.76

*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 - B0197

Analyst

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:	5 @ 8'	Date Analyzed:	12-29-94
Project Location:	McCulley LS 6	Date Reported:	12-29-94
Laboratory Number:	TPH-1336	Sample Matrix:	Soil

Sample Weight:	5.00	grams
Volume Freon:	20.00	mL
Dilution Factor:	1	(unitless)
TPH Reading:	7	mg/kg

TPH Result:	28.0	mg/kg
Reported TPH Result:	28	mg/kg
Actual Detection Limit:	20.0	mg/kg
Reported Detection Limit:	20	mg/kg

QA/QC:	Original TPH mg/kg	Duplicate TPH mg/kg	% Diff.
	3560	3040	15.76

Comments: **********Max Characters**********

Comments: Separator Pit - B0197

CLIENT: AMOCO

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO: 80197
C.O.C. NO: 5441

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: McCULLEY LS WELL #: 6 PITS: SEP.
QUAD/UNIT: H SEC: 15 TWP: 28N RNG: 9W PM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 1460' FNL 800' FEL CONTRACTOR: P & S

DATE STARTED: 11.19.97
DATE FINISHED:
ENVIRONMENTAL SPECIALIST: NV/EP

SOIL REMEDIATION:
REMEDIATION SYSTEM: LANDFARM
APPROX. CUBIC YARDAGE: 22
LAND USE: RANGE
LIFT DEPTH (ft): NA

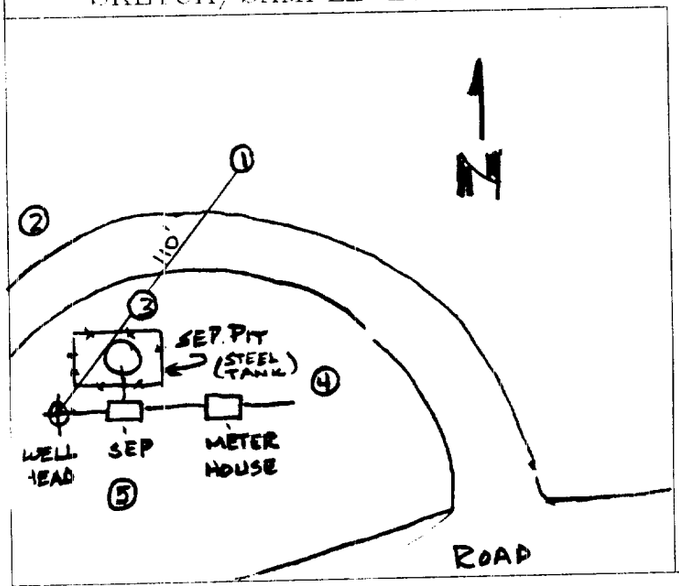
FIELD NOTES & REMARKS:
DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

SOIL IS A YELLOW, BROWN SILTY SAND. NO STAIN OR HC ODOR. COLLECTED 5 PT. COMPOSITE 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

SAMPLE ID	FIELD HEADSPACE PID (ppm)
LF-1	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	8015	1315	ND

SCALE
0 FT

TRAVEL NOTES: CALLOUT: ONSITE: 11.19.97 1315

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:	11-25-97
Laboratory Number:	C534	Date Sampled:	11-19-97
Chain of Custody No:	5441	Date Received:	11-20-97
Sample Matrix:	Soil	Date Extracted:	11-21-97
Preservative:	Cool	Date Analyzed:	11-24-97
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: **McCulley LS #6 - Landfarm. 5 Pt. Composite.**

Analyst

Review

5796 U.S. Highway 64-3014 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	ANALYSIS/PARAMETERS
BLAGG/AMOCO	MCCULLEY LSFF 6 - LANDFARM	

Sampler: (Signature)	Chain of Custody Tape No.
Ed Hasler	04034-10

Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	TPH (8015)						Remarks
												PRESERV. COOL
LF-1	11.A.97	1315	C534	Soil	1	V						5 PT. COMPOSITE.
					Sample received cool & intact							

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ed Hasler	11.20.97	0730	Nelson Velez	11.20.97	0730
Relinquished by: (Signature)			Received by: (Signature)		
Nelson Velez	11.20.97	1014	Dawn L. Glenn	11.20.97	10:14
Relinquished by: (Signature)			Received by: (Signature)		

Ref COC's 5438, 5439, 5440, 5441, 5442, 5563

ENVIROTECH INC.
5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615