

Date Remediation Started: _____ Date Completed: 10-20-94

Remediation Method: Excavation X Approx. cubic yards 1500
 (Check all appropriate sections) Landfarmed X Insitu Bioremediation _____
 Other _____

Remediation Location: Onsite X Offsite X A.L. EMOTT 8 * 4 (P-10-29-9)
 (ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: _____

Excavation. CAN ONLY ACCOUNT FOR 500 OF THE ABOVE STATED

1500 CUBIC YARDS DURING THE LANDFARM CLOSURE ACTIVITY. IT IS POSSIBLE

THAT THE REMAINING 1000 CUBIC YARDS WAS DEEMED CLEAN OVERBURDEN

SOIL & PLACED BACK INTO THE EXCAVATION. NT 6/12/01

AMOC letter correspondence 12-5-94

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 29'

Sample date 10-20-94 Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 7.2

TPH 12 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 10/25/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80129</u> C.O.C. NO: _____
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FIELD REPORT: PIT CLOSURE VERIFICATION

LOCATION: NAME: <u>A.L. ELLIOTT</u> <u>B</u> WELL #: <u>SE</u> PIT: <u>SEP</u>	DATE STARTED: <u>10-20-94</u>
QUAD/UNIT: <u>P</u> SEC: <u>10</u> TWP: <u>29N</u> RNG: <u>9W</u> BM: <u>NH</u> CNTY: <u>SJ</u> ST: <u>NH</u>	DATE FINISHED: _____
QTR/FOOTAGE: <u>SE/SE</u> CONTRACTOR: <u>PAUL + SONS</u>	ENVIRONMENTAL SPECIALIST: <u>REJ</u>

EXCAVATION APPROX. 70 FT. x 40 FT. x 27 FT. DEEP. CUBIC YARDS: 1500
DISPOSAL FACILITY: ON SITE REMEDIATION METHOD: LANDFILL
LAND USE: RANGE LEASE: FED. LSE # SF-078132 FORMATION: OK 71V

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>125</u> FEET <u>N 50° E</u> FROM WELLHEAD.
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DEPTH TO GROUNDWATER: <50' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'

NMOC Ranking Score: 20 NMOC TPH Closure Std: 100 PPM

SOIL AND EXCAVATION DESCRIPTION: PIT DISPOSITION: ABANDONED

MOIST, BROWN, SAND TO COARSE SAND. - NO ODOUR / STAIN.

CLOSE PIT

FIELD 418.1 CALCULATIONS

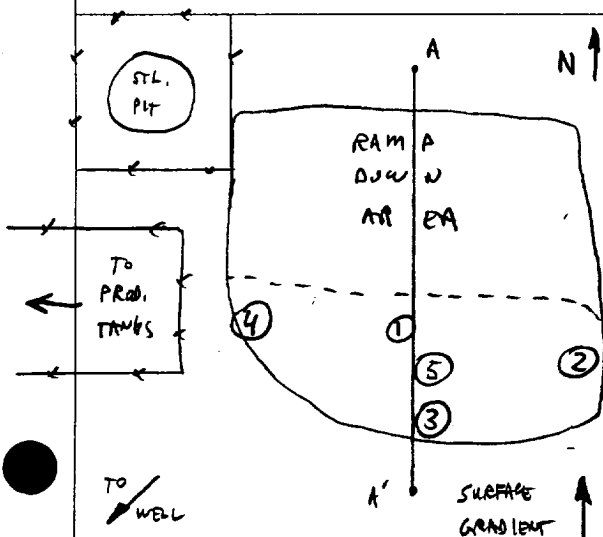
SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
CB@29'	1203	10.0	20.0	—	6	12

SCALE



0 10 20 FT

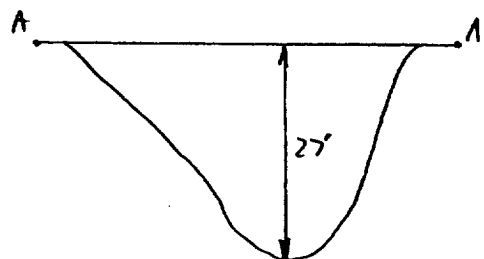
PIT PERIMETER



OVM RESULTS

[illegible]

PIT PROFILE



TRAVEL NOTES: CALLOUT: 10-20-94 ONSITE: 10-20-94 1230

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: C Bottom @ 29'
Project Location: Elliott Annie L. B 5E
Laboratory Number: TPH-1203

Project #:
Date Analyzed: 10-20-94
Date Reported: 10-20-94
Sample Matrix: Soil

Parameter -----	Result, mg/kg -----	Detection Limit, mg/kg -----
Total Recoverable Petroleum Hydrocarbons	12	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg -----	Duplicate TPH mg/kg -----	% *Diff. -----
	1,024	1,044	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 - B0129

R. E. O'Neil
Analyst

William V. [Signature]
Review

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>(30129)</u> C.O.C. NO: <u>8408</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>ELLIOTT, A.L. B</u> WELL #: <u>4</u> PITS: <u>SEP.</u>	DATE STARTED: <u>5/30/01</u>
QUAD/UNIT: <u>P</u> SEC: <u>10</u> TWP: <u>29N</u> RNG: <u>9W</u> PM: <u>NM</u> CNTY: <u>ST</u> ST: <u>NM</u>	DATE FINISHED: _____
QTR/FOOTAGE: <u>SE/SE</u> CONTRACTOR: <u>P+S</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>

SOIL REMEDIATION:

REMEDICATION SYSTEM: <u>LANDFARM</u>	APPROX. CUBIC YARDAGE: <u>500</u>
LAND USE: <u>RANGE - BLM</u> <u>SF-078132</u>	LIFT DEPTH (ft): <u>1-1.5</u>

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: < 50' NEAREST WATER SOURCE: > 1000' NEAREST SURFACE WATER: < 1000'

NMOCJ RANKING SCORE: 30 NMOCJ TPH CLOSURE STD: 100 PPM

SOIL ASSUMED FROM ADJACENT ELLIOTT, A.L. B #5E WELL SITE.

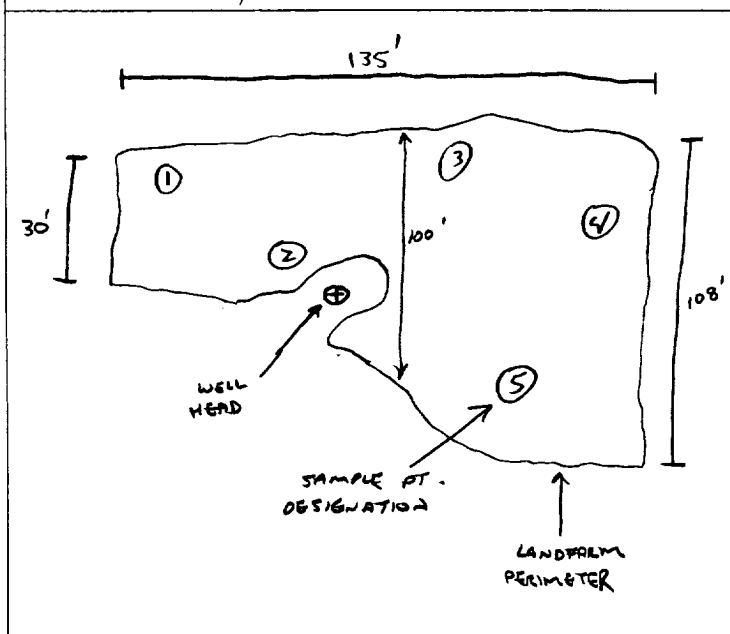
MOD. TO OK. YEL. BROWN SAND, NON COHESIVE, SLIGHTLY MOIST TO MOIST, LOOSE TO FIRM, NO APPARENT STAINING/DISCOLORATION OBSERVED OR HC OOR DETECTED @ ANY OF THE SAMPLE PTS. OR OUM SAMPLE, SAMPLING DEPTHS RANGE FROM 6" - 15", COLLECTED 5 PT. COMPOSITE SAMPLE FOR LAB ANALYSIS.

CLOSED

FIELD 418.1 CALCULATIONS

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

SKETCH/SAMPLE LOCATIONS



OVM CALIB. READ. 53.0 ppm
 TIME: 0800 AM/pm 5/30/01

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	TPH (8015)	1130	ND

SCALE

 0 FT

TRAVEL NOTES: CALLOUT: N/A ONSITE: 5/30/01

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

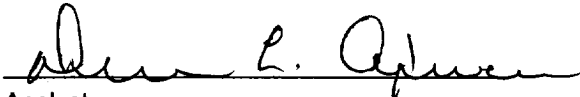
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	05-31-01
Laboratory Number:	19942	Date Sampled:	05-30-01
Chain of Custody No:	8408	Date Received:	05-30-01
Sample Matrix:	Soil	Date Extracted:	05-30-01
Preservative:	Cool	Date Analyzed:	05-31-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

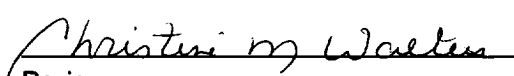
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.1

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: Elliott, A. L. B #4 Landfarm 5 Pt. Composite.


Analyst


Review

08408

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