

RANKING SCORE (TOTAL POINTS): 50

Date Remediation Started: _____

Date Completed: 1/10/95Remediation Method: Excavation ☒
(Check all appropriate sections)Landfarmed ☒Approx. cubic yards 1200

Insitu Bioremediation _____

Other _____

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

General Description of Remedial Action: _____

Excavation

Ground Water Encountered: _____

No ☒

Yes _____

Depth _____

Final Pit:

Closure Sampling:

(if multiple samples,
attach sample results
and diagram of sample
locations and depths)Sample location see Attached DocumentsMULTIPLE SAMPLES

Sample depth

11' (WEST SIDEWALK)

Sample date

1/10/95

Sample time

1015

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm)

42.2

TPH

40 ppmGround Water Sample: Yes _____ No ☒ (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

1/10/95

SIGNATURE

B. ShawPRINTED NAME
AND TITLEBuddy D. Shaw
Environmental Coordinator

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80205</u> C.D.C. NO: _____
----------------------	--	---

FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
------------------------------------	-------------------------------

LOCATION: NAME: <u>McDANIEL</u> GC WELL #: <u>A1</u> PIT: <u>DEH4</u>	DATE STARTED: <u>1/10/95</u> DATE FINISHED: _____
QUAD/UNIT: <u>H</u> SEC: <u>26</u> TWP: <u>29N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>ST. NM</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>
QTR/FOOTAGE: <u>SE 1/4 NE 1/4</u> CONTRACTOR: <u>P. VELASQUEZ</u>	

EXCAVATION APPROX. <u>28</u> FT. x <u>70</u> FT. x <u>17</u> FT. DEEP. CUBIC YARDAGE: <u>1200</u>
DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>LANDFARMED</u>
LAND USE: <u>RANGE</u> LEASE: <u>-</u> FORMATION: <u>APL</u>

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 85 FT. SIDE FROM WELLHEAD.

DEPTH TO GROUNDWATER: 250' NEAREST WATER SOURCE: <1000' NEAREST SURFACE WATER: <1000'

NMOCB RANKING SCORE: 50 NMOCB TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION:

CHECK ONE:

☐ PIT ABANDONED

☒ STEEL TANK INSTALLED

OLIVE GRAY CLAY, HIGHLY PLASTIC, MOIST STIFF TO VERY STIFF, NO APPARENT HC ODOR IN ANY OF THE OVM SAMPLES

CLOSED

SCALE
0 FT

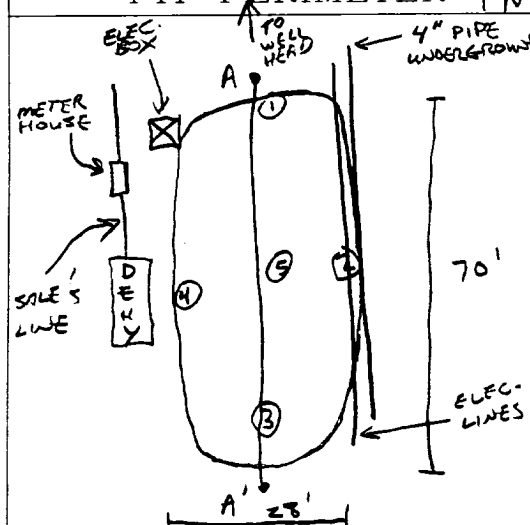
FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1015	④ @ 11'	TPH-1346	5	20	1:1	10	40
1020	⑤ @ 17'	TPH-1347	5	20	1:1	6	24

PIT PERIMETER

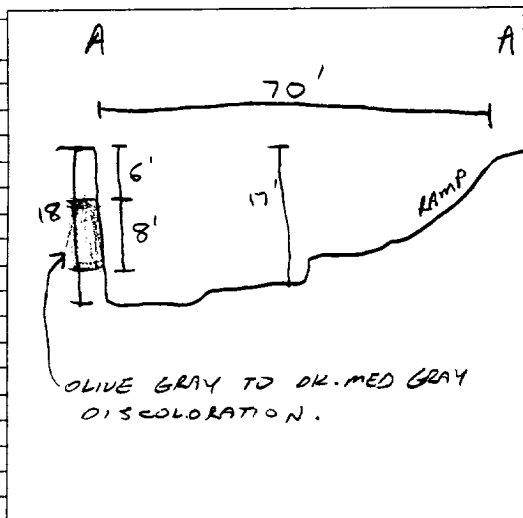
OVM RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 14'	4.2
2 @ 13'	5.7
3 @ 9'	0.0
4 @ 11'	42.2
5 @ 17'	2.7

SAMPLE ID	ANALYSIS	TIME



TRAVEL NOTES: CALLOUT: 1/9/95 ONSITE: 1/10/95

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 @ 17'	Date Analyzed:	01-10-95
Project Location:	McDaniel GC A 1	Date Reported:	01-10-95
Laboratory Number:	TPH-1347	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	24	20

ND = Not Detectable at stated detection limits.

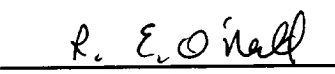
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	512	472	8.13

*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: Dehydrator Pit - B0205


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 @ 17'

Date Analyzed:

01-10-95

Project Location:

McDaniel GC A 1

Date Reported:

01-10-95

Laboratory Number:

TPH-1347

Sample Matrix:

Soil

Sample Weight:

5.00 grams

Volume Freon:

20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading:

6 mg/kg

TPH Result:

24.0 mg/kg

Reported TPH Result:

24 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.

512

472

8.13

Comments:

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

Comments:

Dehydrator Pit - B0205

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:	4 @ 11'	Date Analyzed:	01-10-95
Project Location:	McDaniel GC A 1	Date Reported:	01-10-95
Laboratory Number:	TPH-1346	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
-----	-----	-----
Total Recoverable Petroleum Hydrocarbons	40	20

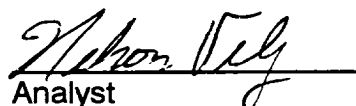
ND = Not Detectable at stated detection limits.

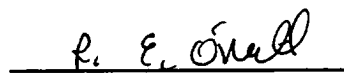
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	-----	-----	-----
	512	472	8.13

*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: Dehydrator Pit - B0205


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:

4 @ 11'

Date Analyzed:

01-10-95

Project Location:

McDaniel GC A 1

Date Reported:

01-10-95

Laboratory Number:

TPH-1346

Sample Matrix:

Soil

Sample Weight:

5.00 grams

Volume Freon:

20.00 mL

Dilution Factor:

1 (unitless)

TPH Reading:

10 mg/kg

TPH Result:

40.0 mg/kg

Reported TPH Result:

40 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.

512

472

8.13

Comments:

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

Comments:

Dehydrator Pit - B0205

CLIENT: <u>AMOCO</u>	* BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>80205</u> C.D.C. NO: <u>5623</u>
----------------------	--	---

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>MCDANIEL GC</u> A WELL #: <u>1</u> PITS: <u>DEHY</u>	DATE STARTED: <u>11-24-97</u>
QUAD/UNIT: (H) SEC: <u>26</u> TWP: <u>29N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>55</u> ST: <u>NM</u>	DATE FINISHED: _____
QTR/FOOTAGE: <u>SE 1/4 NE 1/4</u> CONTRACTOR: <u>P+S</u>	ENVIRONMENTAL SPECIALIST: <u>NV/EP</u>

SOIL REMEDIATION:

 REMEDIATION SYSTEM: LANDFARM

 APPROX. CUBIC YARDAGE: 1,200

 LAND USE: RANGE

 LIFT DEPTH (ft): NA

FIELD NOTES & REMARKS:

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

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

SOIL IS A DARK YELLOW W/LIGHT BROWN DRY SILTY SAND.

NO STAIN OR HC. ODOOR

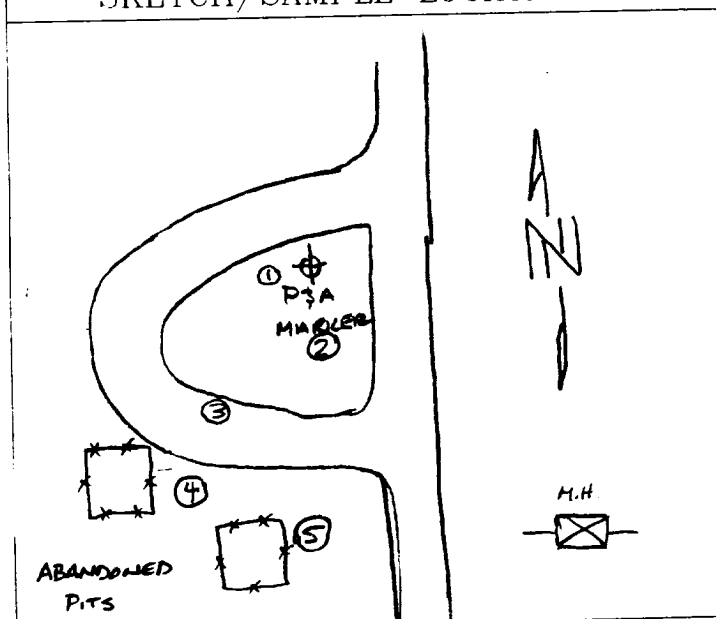
TOOK SPT COMPOSIT SAMPLE FOR LAB. ANALYSIS.

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	1245	1.7

SCALE

0 1 FT

TRAVEL NOTES:

 CALLOUT: N/A

 ONSITE: 11-24-97 1220

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

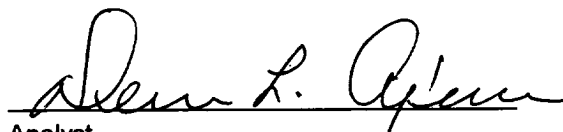
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	12-03-97
Laboratory Number:	C595	Date Sampled:	11-24-97
Chain of Custody No:	5623	Date Received:	11-26-97
Sample Matrix:	Soil	Date Extracted:	11-26-97
Preservative:	Cool	Date Analyzed:	12-01-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

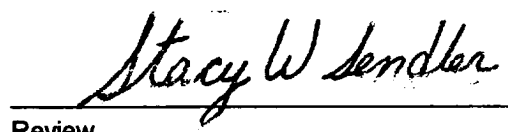
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	1.7	0.1
Total Petroleum Hydrocarbons	1.7	0.2

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: **McDaniel GC A #1 Landfarm. 5 Pt. Composite.**


Analyst


Review

[illegible]