

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211

State of New Mexico
Energy, Minerals and Natural Resources Department

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

RECEIVED
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Approved
OK
2/5/01
OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

OIL CON. DIV.
DIST. 3

PIT REMEDIATION AND CLOSURE REPORT

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

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility Or: MARTINEZ GC G #1
Well Name

Location: Unit or Qtr/Qtr Sec A Sec 24 T 29N R 10W County SAN JUAN

Pit Type: Separator Dehydrator Other ABANDONED

Land Type: BLM , State , Fee ✓, Other

Pit Location: Pit dimensions: length 45', width 35', depth 3'
(Attach diagram)

Reference: wellhead X, other

Footage from reference: 190'

Direction from reference: 30 Degrees ✓ East North
of
 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)	<u>20</u>

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)	<u>0</u>

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)	<u>20</u>

RANKING SCORE (TOTAL POINTS): 40

Date Remediation Started: _____ Date Completed: 8/10/94

Remediation Method: Excavation ☒ Approx. cubic yards 175
(Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____

Other _____

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

General Description Of Remedial Action: _____

Excavation • GROUNDWATER IMPACTED • PUMPED & DISPOSED BY TRIPLE S.

FURTHER TESTING NECESSARY.

Ground Water Encountered: No _____ Yes ☒ Depth 2'

Final Pit: Sample location see Attached Documents

Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths) MULTIPLE (4) SAMPLES' COLLECTED.

Sample depth 2' (GROUNDWATER)

Sample date _____ Sample time _____

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) _____

TPH _____

Ground 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 8/10/94

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: _____ C.O.C. NO: <u>SEE LAB REPORTS</u>
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FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>MARTINEZ GC</u> WELL #: <u>G1</u> PIT: <u>ABANDONED</u>	DATE STARTED: <u>7/20/94</u>
QUAD/UNIT: <u>A</u> SEC: <u>24</u> TWP: <u>29N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>	DATE FINISHED: _____
QTR/FOOTAGE: <u>NE 1/4 NE 1/4</u> CONTRACTOR: <u>P. VELASQUEZ</u>	ENVIRONMENTAL SPECIALIST: <u>NV</u>

SOIL REMEDIATION: EXCAVATION APPROX. <u>45</u> FT. x <u>35</u> FT. x <u>3</u> FT. DEEP.
DISPOSAL FACILITY: <u>ON-SITE / LF</u> CUBIC YARDAGE: <u>175</u>
LAND USE: <u>RANGE / AGRIC.</u> LEASE: <u>-</u>

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>190</u> FEET <u>530' NW</u> FROM WELLHEAD.
DEPTH TO GROUNDWATER: <u>< 50'</u> NEAREST WATER SOURCE: <u>51000'</u> NEAREST SURFACE WATER: <u>< 200'</u>
NMOCD RANKING SCORE: <u>4058</u> NMOCD TPH CLOSURE STD: <u>100</u> PPM FORMATION: <u>MV</u>

SOIL AND EXCAVATION DESCRIPTION:

SOIL MOSTLY SILTY SAND TO CLAY, COHESIVE SLIGHTLY MOIST, TO SATURATED FIRM TO STIFF, COLLECTED "GW" SAMPLES ONLY, UNABLE TO COLLECT SOIL SAMPLES.

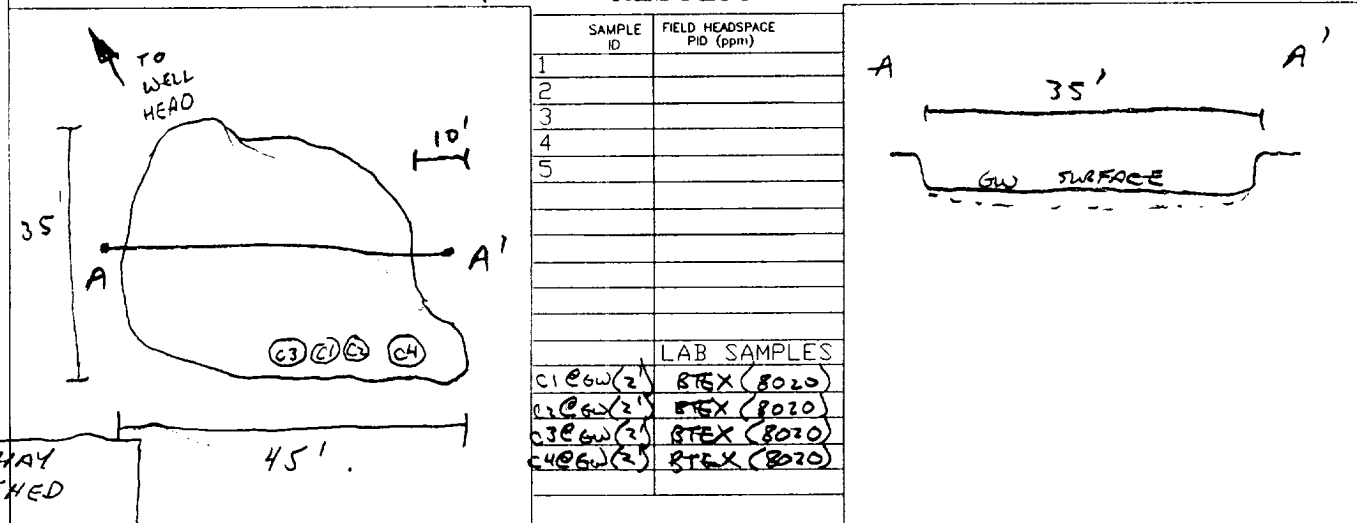
SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SCALE: 0 FT

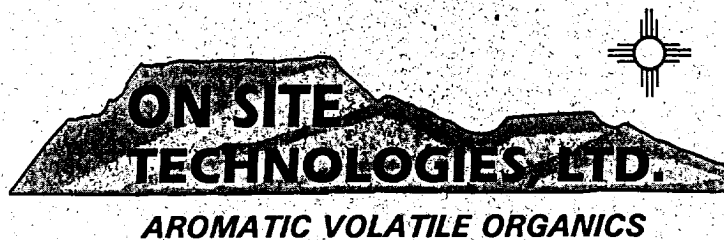
PIT PERIMETER

OVM RESULTS

PIT PROFILE



TRAVEL NOTES:	CALLOUT: _____	ONSITE: _____
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Attn: Nelson Velez
Company: Blagg Engineering
Address: P.O. Box 87
City, State: Bloomfield, NM 87413

Date: 7/20/94
Lab ID: 1611
Sample ID: 2026
Job No. 2-1000

Project Name: Martinez GC G1
Project Location: c @ GW (2') - Abandoned Pit
Sampled by: NV Date: 7/19/94
Analyzed by: DLA Date: 7/20/94
Sample Matrix: Liquid

Time: 7:28

Aromatic Volatile Organics

Component	**Measured Concentration ug/L
Benzene	306
Toluene	14
Ethylbenzene	151
m,p-Xylene	2,146
o-Xylene	498
TOTAL 3,114 ug/L	

ND - Not Detectable

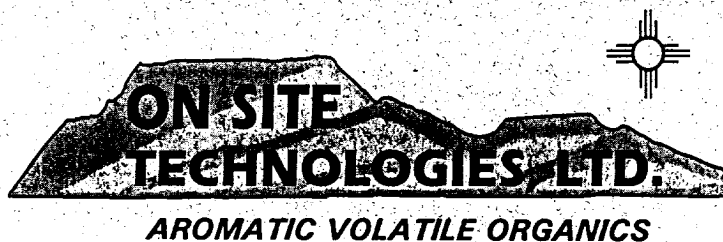
** - Method Detection Limit, 2 ug/L

Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by
Gas Chromatography

Approved by:

Date:

John
7/20/94



Attn: *Nelson Velez*
Company: *Blagg Engineering*
Address: *P.O. Box 87*
City, State: *Bloomfield, NM 87413*

Date: *7/26/94*
Lab ID: *1673*
Sample ID: *2126*
Job No. *2-1000*

Project Name: *Martinez GC G1*
Project Location: *C2 A GW (2')*
Sampled by: *NV* Date: *7/25/94*
Analyzed by: *DLA* Date: *7/26/94*
Sample Matrix: *Liquid*

Time: *11:00*

Aromatic Volatile Organics

<i>Component</i>	<i>**Measured Concentration ug/L</i>
<i>Benzene</i>	<i>749</i>
<i>Toluene</i>	<i>16</i>
<i>Ethylbenzene</i>	<i>194</i>
<i>m,p-Xylene</i>	<i>6,653</i>
<i>o-Xylene</i>	<i>1,571</i>
<i>TOTAL</i>	<i>9,183 ug/L</i>

ND - Not Detectable

*** - Method Detection Limit, 2 ug/L*

*Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by
Gas Chromatography*

Approved by:

Date:

[Signature]
7/26/94



AROMATIC VOLATILE ORGANICS

Attn: *Nelson Velez*
Company: *Blagg Engineering*
Address: *P.O. Box 87*
City, State: *Bloomfield, NM 87413*

Date: *8/2/94*
Lab ID: *1677*
Sample ID: *2213*
Job No. *2-1000*

Project Name: *Martinez GC G1*
Project Location: *C3 @ GW {2'} - Abandoned Pit*
Sampled by: *NV* Date: *8/1/94*
Analyzed by: *DLA* Date: *8/2/94*
Sample Matrix: *Liquid*

Time: *12:40*

Aromatic Volatile Organics

Component	**Measured Concentration ug/L
<i>Benzene</i>	<i>134</i>
<i>Toluene</i>	<i>5.0</i>
<i>Ethylbenzene</i>	<i>120</i>
<i>m,p-Xylene</i>	<i>1,793</i>
<i>o-Xylene</i>	<i>398</i>
TOTAL	2,450 ug/L

ND - Not Detectable

*** - Method Detection Limit, 2 ug/L*

**Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by
Gas Chromatography**

Approved by: *[Signature]*

Date: *8/2/94*

**ON SITE
TECHNOLOGIES, LTD.**
AROMATIC VOLATILE ORGANICS

Attn: *Nelson Velez*
Company: *Blagg Engineering*
Address: *P.O. Box 87*
City, State: *Bloomfield, NM 87413*

Date: *8/9/94*
Lab ID: *1686*
Sample ID: *2418*
Job No. *2-1000*

Project Name: *Martinez GC G1*
Project Location: *C4 @ GW (2') - Abandoned Pit*
Sampled by: *NV* Date: *8/9/94*
Analyzed by: *DLA* Date: *8/10/94*
Sample Matrix: *Liquid*

Time: *12:20*

Aromatic Volatile Organics

<i>Component</i>	<i>**Measured Concentration ug/L</i>
<i>Benzene</i>	<i>106</i>
<i>Toluene</i>	<i>4.7</i>
<i>Ethylbenzene</i>	<i>140</i>
<i>m,p-Xylene</i>	<i>2,006</i>
<i>o-Xylene</i>	<i>412</i>
<i>TOTAL</i>	<i>2,668 ug/L</i>

ND - Not Detectable

*** - Method Detection Limit, 2 ug/L*

***Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by
Gas Chromatography***

Approved by: *Bill Velez, P.D.*

Date: *8/10/94*

Distribution:	White – On Site	Yellow – LAB	Pink – Sampler	Goldenrod – Client
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CHAIN OF CUSTODY RECORD

No. 1673

Date: 7/26/94

Page 1 of 1

657 W. Maple • P. O. Box 2606 • Farmington, NM 87499
LAB: (505) 325-5667 • FAX: (505) 325-6256

Purchase Order No.:		Reference No.:	
Name		Name	
Company		Company	
Address		Address	
City, State, Zip		City, State, Zip	
Telephone No.		Telephone No.	
Fax No.		Fax No.	
Special Instructions:		ANALYSIS REQUESTED	
Sample:		Remarks (matrix)	
DATE/TIME SAMPLED		DATE/TIME	
COMPOSITE/ GRAB		DATE/TIME	
PRESERVATIVES		DATE/TIME	
REPORT TO		RESULTS TO	
Number of Containers		Number of Containers	
Received by:		Received by:	
Date/Time		Date/Time	
Relinquished by:		Relinquished by:	
Date/Time		Date/Time	
Relinquished by:		Relinquished by:	
Date/Time		Date/Time	
Method of Shipment:		Method of Shipment:	
Authorized by:		Authorized by:	
Date		Date	
5 Working Days		5 Working Days	
10 Working Days		10 Working Days	
Sampling Location:		Sampling Location:	

CHAIN OF CUFFODY RECORD

1677

Page 1 of 1

657 W. Maple ■ P. O. Box 2606 ■ Farmington, NM 87499
LAB: (505) 325-5667 ■ FAX: (505) 325-6256

[illegible]

Distribution: White – On Site Yellow – LAB Pink – Sampler Goldenrod – Client

CHAIN OF CULFODY RECORD

5851 2

5854

Date: 8/9/94

Page 1 of 1

657 W. Maple ■ P. O. Box 2606 ■ Farmington, NM 87499
LAB: (505) 325-5667 ■ FAX: (505) 325-6256

[illegible]

LANDFARM

TERRENCE ARCHUNDE 632-2247

ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140
PAGE No: 1 of 1

LOCATION: LEASE: MARTINEZ GC WELL: G1 QD: NE/4 NE/4 (A)
SEC: 24 TWP: 29 N RNG: 10W BM: NM CNTY: SAN JUAN ST: NM PIT:
CONTRACTOR: PAUL & SONS
EQUIPMENT USED: BACKHOSE

DATE STARTED: 1/5/94
DATE FINISHED: 1/5/94

ENVIRONMENTAL SPECIALIST: NV

SOIL REMEDIATION: QUANTITY: UNKNOWN
DISPOSAL FACILITY: LANDFARM - SAME LEASE
LAND USE: RANGE
SURFACE CONDITIONS: LT. MED. GRAY SAND & GRAVEL

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY YARDS FROM WELLHEAD.

DEPTH TO GROUNDWATER: < 50'
NEAREST WATER SOURCE: > 1000'
NEAREST SURFACE WATER: < 200'

Comp. = 524 ppm TON

FROM	① 39'	527°W
SG INTEREST	② 58'	544 E
LTD	③ 81'	N76E
*1 ACHTHUND	④ 79'	N32W
WELL	⑤ 120'	S15 E
HEAD		

COLLECTED COMPOSITE SAMPLE (5 PTS) FOR 4/8.1

AA (NOT FOR CLOSURE)

AUTHORIZED VERBALLY BY BUDDY SIMS 1/5/94
0930.

FIELD 418.1 CALCULATIONS

FIELD DATA CALCULATIONS						
SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

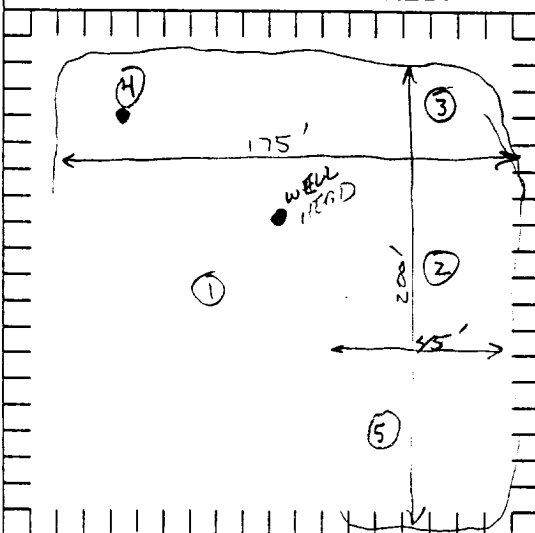
SCALE

0

FEET

↑ N

PIT PERIMETER



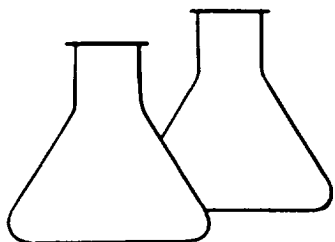
OVM RESULTS

[illegible]

PIT PROFILE

NOT
APPLICABLE

TRAVEL NOTES: CALLOUT: 1/5/94 ONSITE: 1/5/94



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Amoco	Project #:	92140
Sample ID:	1 @ Surface	Date Sampled:	01-05-94
Laboratory Number:	6712	Date Received:	01-06-94
Sample Matrix:	Soil	Date Analyzed:	01-06-94
Preservative:	Cool	Date Reported:	01-06-94
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	221	10

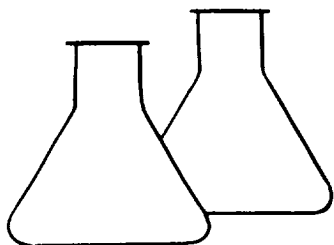
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

Method: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Martinez GC G1 Reserve Pit (Drilling Mud) C4956

Tony Tristano
Analyst

Marion Young
Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401

PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Amoco	Project #:	92140
Sample ID:	Composite	Date Sampled:	01-05-94
Laboratory Number:	6711	Date Received:	01-06-94
Sample Matrix:	Soil	Date Analyzed:	01-06-94
Preservative:	Cool	Date Reported:	01-06-94
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	524	10

ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

Method: Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and
Waste, USEPA Storet No.4551, 1978

Comments: Martinez GC G1 Landfarm C4955

Tony Trista
Analyst

Marin D. Young
Review

CHAIN OF CUSTODY RECORD

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>C4954</u> <u>C4956</u> <u>C4938</u> C.D.C. NO: <u>5647</u>
----------------------	--	---

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>MARTINEZ GC 6</u> WELL #: <u>1</u> PITS: <u>BLOW, DEHY, ABAND.</u>	DATE STARTED: <u>12.4.97</u> DATE FINISHED: _____
QUAD/UNIT: <u>A</u> SEC: <u>24</u> TWP: <u>29N</u> RNG: <u>10W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u>	ENVIRONMENTAL SPECIALIST: <u>NV/EP</u>
DIST/FOOTAGE: <u>NE 1/4</u> <u>NE 1/4</u> CONTRACTOR: <u>P&S</u>	

SOIL REMEDIATION:

 REMEDIATION SYSTEM: LANDFARM

 APPROX. CUBIC YARDAGE: 1,467

 LAND USE: RANGE

 LIFT DEPTH (ft): NA

FIELD NOTES & REMARKS:

 DEPTH TO GROUNDWATER: <50' NEAREST WATER SOURCE: <1000' NEAREST SURFACE WATER: <200'

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

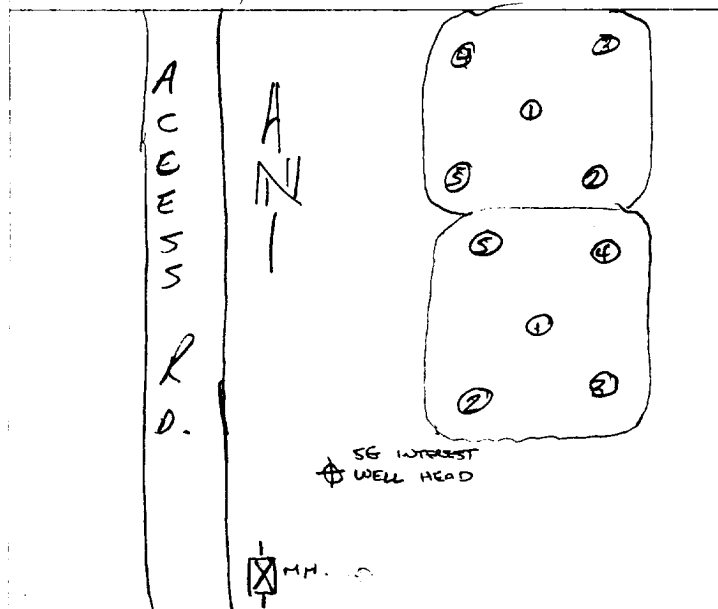
SOIL IS A SLIGHTLY MOIST DARK YELLOW W/LIGHT BROWN SILTY SAND. SOME LIGHT GRAY CLAYISH.

NO STAIN OR HC ODOR. TOOK SPT COMPOSITE ON TWO (2) AREAS OF LANDFARM DUE TO SIZE

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	1300	ND
LF-2	0.0	LF-2	8015	1350	ND

SCALE

0 FT

TRAVEL NOTES:

 CALLOUT: N/A

 ONSITE: 12.4.97 1300

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

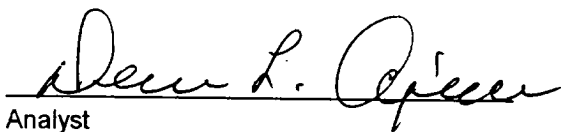
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	12-09-97
Laboratory Number:	C651	Date Sampled:	12-04-97
Chain of Custody No:	5647	Date Received:	12-05-97
Sample Matrix:	Soil	Date Extracted:	12-08-97
Preservative:	Cool	Date Analyzed:	12-08-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

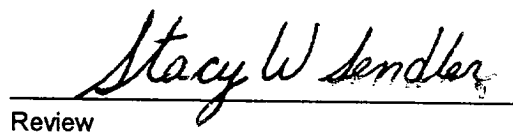
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Martinez GC G #1 Landfarm. 5 Pt. Composite.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

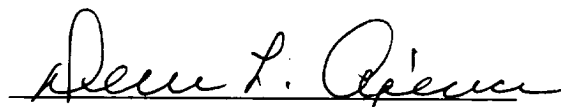
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 2	Date Reported:	12-09-97
Laboratory Number:	C652	Date Sampled:	12-04-97
Chain of Custody No:	5647	Date Received:	12-05-97
Sample Matrix:	Soil	Date Extracted:	12-08-97
Preservative:	Cool	Date Analyzed:	12-08-97
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

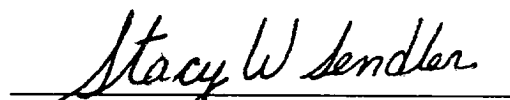
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Martinez GC G #1 Landfarm. 5 Pt. Composite.**


Analyst


Review

