

DEPUTY OIL & GAS INSPECTOR

AUG 13 1999

**JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528**

OK BT 499
2 pits - risked
SUBMIT 1 COPY TO
NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION

PIT REMEDIATION AND CLOSURE REPORT

Operator: AMOCO PRODUCTION COMPANY Telephone: (505) 326-9200

Address: 200 Amoco Court, Farmington, NM 87401

Facility or Well Name: JICARILLA B # 4E

Location: Unit or Qtr/Qtr Sec P Sec 21 T 26N R 5W County RIO ARriba

Pit Type: Separator Dehydrator Other PRODUCTION TANK

Land Type: RANGE

Pit Location: Pit dimensions: length 16', width 18', depth 2'
(Attach diagram) Reference: wellhead X, other _____
Footage from reference: 125'
Direction from reference: 55 Degrees X East North X
West South _____

Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet 50 feet to 99 feet Greater than 100 feet	(20 points) (10 points) (0 points)	<u>0</u>
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet Greater than 100 feet	(10 points) (0 points)	<u>0</u>
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet Greater than 100 feet	(10 points) (0 points)	<u>0</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 No	(20 points) (0 points)	<u>0</u>
Distance To SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet 100 feet to 1000 feet Greater than 1000 feet	(20 points) (10 points) (0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 0

PROD. TANK PIT / BT 499

Date Remediation Started: _____ Date Completed: 10/3/96Remediation Method: Excavation X Approx. cubic yards 10Check all appropriate
options) Landfarmed X Insitu Bioremediation _____

Other _____

Remediation Location: Onsite X Offsite _____(i.e. landfarmed onsite,
name and location of
offsite facility) _____General Description of Remedial Action: Excavation, ENTIRE EXCAVATION CONSISTMOSTLY OF BEDROCK (SANDSTONE). NO TPH ANALYSIS CONDUCTED.

RISK ASSESSED.

Groundwater Encountered: No X Yes _____ Depth _____Final Pit: Sample location see Attached DocumentsClosure Sampling:
(if multiple samples,
attach sample results
and diagram of sample
locations and depths) Sample depth 2'Sample date 10/3/96 Sample time 1040

Sample Results

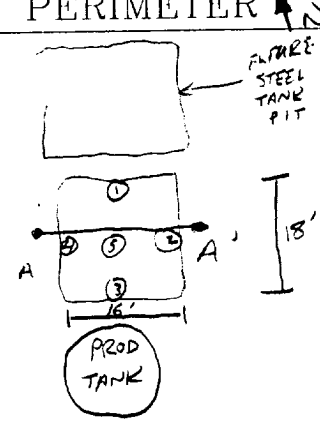
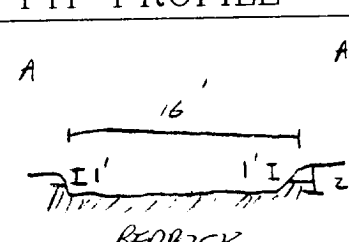
Soil: Benzene (ppm) _____ Water: Benzene (ppb) _____

Total BTEX (ppm) _____ Toluene (ppb) _____

Field Headspace (ppm) 180.9 Ethylbenzene (ppb) _____

TPH (ppm) _____ Total Xylenes (ppb) _____

Groundwater 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 BELIEFDATE 10/3/96 PRINTED NAME Buddy D. ShawSIGNATURE Buddy D. Shaw AND TITLE Environmental CoordinatorAFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE
TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.APPROVED: YES ✓ NO _____ (REASON) _____SIGNED: Gabriel Jackson DATE: 10/22/96

CLIENT: <u>AMOCO</u>		BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199		LOCATION NO: <u>BT449</u> C.O.C. NO: _____																																																												
FIELD REPORT: CLOSURE VERIFICATION				PAGE No: <u>1</u> of <u>1</u>																																																												
LOCATION: NAME: <u>JICARILLA</u> B WELL #: <u>4E</u> PIT: <u>PROD. TANK</u> QUAD/UNIT: <u>P</u> SEC: <u>Z1</u> TWP: <u>26N</u> RNG: <u>5W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u> QTR/FOOTAGE: <u>940' ASL/350' FEL</u> CONTRACTOR: <u>P+S</u>				DATE STARTED: <u>10/3/96</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>																																																												
EXCAVATION APPROX. <u>16</u> FT. x <u>18</u> FT. x <u>2</u> FT. DEEP. CUBIC YARDAGE: <u>10</u> DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>LANDFARMED</u> LAND USE: <u>RANGE</u> LEASE: <u>JICA. CONTR. #109</u> FORMATION: <u>DR</u>																																																																
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>125</u> FT. <u>N55E</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u> NMOCB RANKING SCORE: <u>0</u> NMOCB TPH CLOSURE STD: <u>5000</u> PPM																																																																
SOIL AND EXCAVATION DESCRIPTION: <div style="float: right; border: 1px solid black; padding: 5px; width: fit-content;">CHECK ONE : <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED</div> <p>ENTIRE EXCAVATION CONSIST MOSTLY OF BEDROCK (SANDSTONE) PIT BOTTOM MOSTLY DUNE GRAY IN COLOR, HARD, SLIGHT HC ODOR IN DUNE SAMPLE SIDEWALL SAMPLES CONSISTENT W/ FILL SOIL FOR WELL PAD, PALE ORANGE SAND, NO APPARENT DISCOLORATION AND/OR HC ODOR OBSERVED, NO TPH ANALYSIS CONDUCTED DUE TO ENTIRE EXCAVATION BEING MOSTLY BEDROCK.</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"><div style="width: 45%;"><p><u>BEDROCK</u></p><p>SCALE</p><div style="width: 20px; height: 10px; background-color: black; margin: 5px 0;"></div><p>0 FT</p></div><div style="width: 50%;"><p style="text-align: center;"><u>RISK ASSESSED</u></p><p style="text-align: center;">FIELD 418.1 CALCULATIONS</p><table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>TIME</th><th>SAMPLE I.D.</th><th>LAB No:</th><th>WEIGHT (g)</th><th>mL. FREON</th><th>DILUTION</th><th>READING</th><th>CALC. ppm</th></tr></thead><tbody><tr><td>1040</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table></div></div> <div style="display: flex; justify-content: space-between; align-items: flex-start; margin-top: 20px;"><div style="width: 30%;"><p style="text-align: center;">PIT PERIMETER</p></div><div style="width: 30%;"><p style="text-align: center;">OVM RESULTS</p><table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>SAMPLE ID</th><th>FIELD HEADSPACE PID (ppm)</th></tr></thead><tbody><tr><td>1 @ 1'</td><td>0.0</td></tr><tr><td>2 @ 1'</td><td>0.0</td></tr><tr><td>3 @ 1'</td><td>0.0</td></tr><tr><td>4 @ 1'</td><td>0.0</td></tr><tr><td>5 @ 2'</td><td>180.9</td></tr></tbody></table><p style="text-align: center;">LAB SAMPLES</p><table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>SAMPLE ID</th><th>ANALYSIS</th><th>TIME</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table></div><div style="width: 30%;"><p style="text-align: center;">PIT PROFILE</p></div></div>						TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm	1040																								SAMPLE ID	FIELD HEADSPACE PID (ppm)	1 @ 1'	0.0	2 @ 1'	0.0	3 @ 1'	0.0	4 @ 1'	0.0	5 @ 2'	180.9	SAMPLE ID	ANALYSIS	TIME												
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| TRAVEL NOTES: CALLOUT: 10/3/96 MORN. ONSITE: 10/3/96 MORN. | | | | | |

Well Name:

Well Site location:

Pit Type:

Producing Formation:

Pit Category:

Horizontal Distance to Surface Water:

Vicinity Groundwater Depth:

Jicarilla B #4E

Unit P. Sec. 21. T26N, R5W

Production Tank Pit

Basin Dakota

Non Vulnerable

> 1000 ft.

> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when trackhoe encountered sandstone bedrock at 2 feet below grade.

No past or future threat to surface water or groundwater is likely based on the following considerations:

1. Past production fluids were contained locally by a relatively shallow sandstone bedrock located 2 feet below grade. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below sandstone bedrock.
2. Topographic information does not indicate off site lateral fluid migration near the earthen pit.
3. Daily discharge into the earthen pit has been terminated (pit abandoned). Prior discharge into the pit is believed to be under 5 barrels per day.
4. Well site located within the **non-vulnerable area** and is approximately 0.02 miles east of the nearest vulnerable area boundary (Tapacito Creek).

(Refer to Lapis Point Quadrangle, New Mexico - Rio Arriba County, 7.5 Minute Series (Topographic), 1963, (vulnerable area boundary developed by Mr. William C. Olson, Hydrogeologist, Environmental Bureau, New Mexico Oil Conservation Division).

Based upon the information given, we conclude that the sandstone bottom creates enough of an impermeable barrier as to subdue impact to groundwater below it (please refer to AMOCO's report "Post Excavation Pit Closure Investigation Summary, July, 1995", with cover letter dated November 30, 1995). AMOCO requests pit closure approval on this location.

85449

**JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528**

SUBMIT 1 COPY TO
NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION

PIT REMEDIATION AND CLOSURE REPORT

Operator: AMOCO PRODUCTION COMPANY **Telephone:** (505) 326-9200
Address: 200 Amoco Court, Farmington, NM 87401
Facility or Well Name: JICARILLA B #4E
Location: Unit or Qtr/Qtr Sec P Sec 21 T 26N R 5W County RIO ARriba
Pit Type: Separator X Dehydrator Other
Land Type: RANGE

Pit Location: Pit dimensions: length 25', width 25', depth 2'
(Attach diagram) Reference: wellhead X, other
Footage from reference: 80'
Direction from reference: 57 Degrees X East of North
 West of South X

Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)	Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points)	<u>0</u>
Distance to an Ephemeral Stream (Downgradient dry wash greater than ten feet in width)	Less than 100 feet (10 points) Greater than 100 feet (0 points)	<u>0</u>
Distance to Nearest Lake, Playa, or Watering Pond (Downgradient lakes, playas and livestock or wildlife watering ponds)	Less than 100 feet (10 points) Greater than 100 feet (0 points)	<u>0</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 SurfaceWater: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)	Less than 100 feet (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 0

SEP. PIT / BT 499

Date Remediation Started: _____ Date Completed: 10/3/96

Remediation Method: Excavation ☒ Approx. cubic yards 30
Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____
Other _____

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

General Description of Remedial Action: Excavation. ENTIRE EXCAVATION CONSIST MOSTLY OF BEDROCK (SANDSTONE). NO TPH ANALYSIS WAS CONDUCTED. RISK ASSESSED.

Groundwater Encountered: No ☒ 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 2'

Sample date 10/3/96 Sample time 1010

Sample Results

Soil: Benzene (ppm)	_____	Water: Benzene (ppb)	_____
Total BTEX (ppm)	_____	Toluene (ppb)	_____
Field Headspace (ppm)	<u>798</u>	Ethylbenzene (ppb)	_____
TPH (ppm)	<u>-</u>	Total Xylenes (ppb)	_____

Groundwater 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 10/3/96 PRINTED NAME Buddy D. Shaw
SIGNATURE Buddy D. Shaw AND TITLE Environmental Coordinator

AFTER REVIEW OF THE PIT CLOSURE INFORMATION, PIT CLOSURE IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES ☒ NO _____ (REASON) Spray bottom

SIGNED: Robert John DATE: 10/22/96

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>85449</u> C.D.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>JICARILLA</u> WELL #: <u>4E</u> PIT: <u>SEP</u> QUAD/UNIT: <u>P</u> SEC: <u>21</u> TWP: <u>26N</u> RNG: <u>5W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u> QTR/FOOTAGE: <u>940' FSL / 880' FEL</u> CONTRACTOR: <u>PFS</u>	DATE STARTED: <u>10/3/96</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>
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EXCAVATION APPROX. 25 FT. x 25 FT. x 2 FT. DEEP. CUBIC YARDAGE: 30

DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFARMED

LAND USE: RANGE LEASE: JICA CONTR. #109 FORMATION: OK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 80 FT. SSE FROM WELLHEAD.

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

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

CHECK ONE:
☒ PIT ABANDONED
☐ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

ENTIRE EXCAVATION CONSIST MOSTLY OF BEDROCK (SANDSTONE)
 PIT BOTTOM MOSTLY LT. GRAY IN COLOR, HARD STRONG HC ODOR IN OVM SAMPLE SIDEWALL SAMPLES CONSISTENT W/ FILL SOIL FOR WELL PAD PALE ORANGE SAND, NO APPARENT DISCOLORATION AND/OR HC ODOR OBSERVED, NO TPH ANALYSIS CONDUCTED DUE TO ENTIRE EXCAVATION BEING MOSTLY BEDROCK.

BEDROCK RISK ASSESSED

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
<u>1010</u>							

SCALE

0 25 FT

PIT PERIMETER

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
<u>1 @ 1'</u>	<u>0.0</u>
<u>2 @ 1'</u>	<u>0.0</u>
<u>3 @ 1'</u>	<u>0.0</u>
<u>4 @ 1'</u>	<u>0.0</u>
<u>5 @ 2'</u>	<u>798</u>

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

PIT PROFILE

TRAVEL NOTES: CALLOUT: 10/3/96 MORN. ONSITE: 10/3/96 MORN.

Well Name:

Well Site location:

Pit Type:

Producing Formation:

Pit Category:

Horizontal Distance to Surface Water:

Vicinity Groundwater Depth:

Jicarilla B #4E

Unit P, Sec. 21, T26N, R5W

Separator Pit

Basin Dakota

Non Vulnerable

> 1000 ft.

> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when trackhoe encountered sandstone bedrock at 2 feet below grade.

No past or future threat to surface water or groundwater is likely based on the following considerations:

1. Past production fluids were contained locally by a relatively shallow sandstone bedrock located 2 feet below grade. Groundwater levels located on or close to the well pad are estimated to be at a much greater depth below sandstone bedrock.
2. Topographic information does not indicate off site lateral fluid migration near the earthen pit.
3. Daily discharge into the earthen pit has been terminated (pit abandoned). Prior discharge into the pit is believed to be under 5 barrels per day.
4. Well site located within the **non-vulnerable area** and is approximately 0.02 miles east of the nearest vulnerable area boundary (Tapacito Creek).

(Refer to Lapis Point Quadrangle, New Mexico - Rio Arriba County, 7.5 Minute Series (Topographic), 1963, (vulnerable area boundary developed by Mr. William C. Olson, Hydrogeologist, Environmental Bureau, New Mexico Oil Conservation Division).

Based upon the information given, we conclude that the sandstone bottom creates enough of an impermeable barrier as to subdue impact to groundwater below it (please refer to AMOCO's report "Post Excavation Pit Closure Investigation Summary, July, 1995". with cover letter dated November 30, 1995). AMOCO requests pit closure approval on this location.

**JICARILLA APACHE TRIBE
ENVIRONMENTAL PROTECTION OFFICE
P.O. BOX 507
DULCE, NEW MEXICO 87528**

8J449

SUBMIT 1 COPY TO
NATURAL RESOURCE DEPT
AND OIL & GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: AMOCO PRODUCTION COMPANY **Telephone:** (505) 326-9200

Address: 200 Amoco Court, Farmington, NM 87401

Facility or Well Name: JICARILLA B # 4E

Location: Unit or Qtr/Qtr Sec P Sec 21 T 26N R 5W County RIO ARriba

Land Type: RANGE

Date Remediation Started: 10/3/96

Date Completed: 5/1/98

Remediation Method: Landfarmed X

Approx. cubic yards 40

Composted

Other

Depth To Groundwater: (pts.) 0

Distance to an Ephemeral Stream (pts.) 0

**Distance to Nearest Lake, Playa,
or Watering Pond** (pts.) 0

Wellhead Protection Area: (pts.) 0

Distance To Surface Water: (pts.) 0

RANKING SCORE (TOTAL POINTS): 0

Final Closure Sampling:

Sampling Date: 4/28/98 **Time:** 1315

Sample Results:

Field Headspace (ppm) 0.0

TPH (ppm) 83.8 Method 8015

Other

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 5/1/98 **PRINTED NAME** Buddy D. Shaw

SIGNATURE Buddy D. Shaw **AND TITLE** Environmental Coordinator

AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.

APPROVED: YES X NO (REASON) use old Borehole

SIGNED: [Signature] **DATE:** 5-7-98

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>BT 449</u> C.D.C. NO: <u>5880</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>JICARILLA</u> <u>B</u> WELL #: <u>4E</u> PITS: <u>PROD., SEP.</u> QUAD/UNIT: <u>P</u> SEC: <u>21</u> TWP: <u>26N</u> RNG: <u>5W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u> QTR/FOOTAGE: <u>SE/4</u> <u>SE/4</u> CONTRACTOR: <u>P&S</u>	DATE STARTED: <u>4/28/98</u> DATE FINISHED: <u>5/1/98</u> ENVIRONMENTAL SPECIALIST: <u>NV</u>
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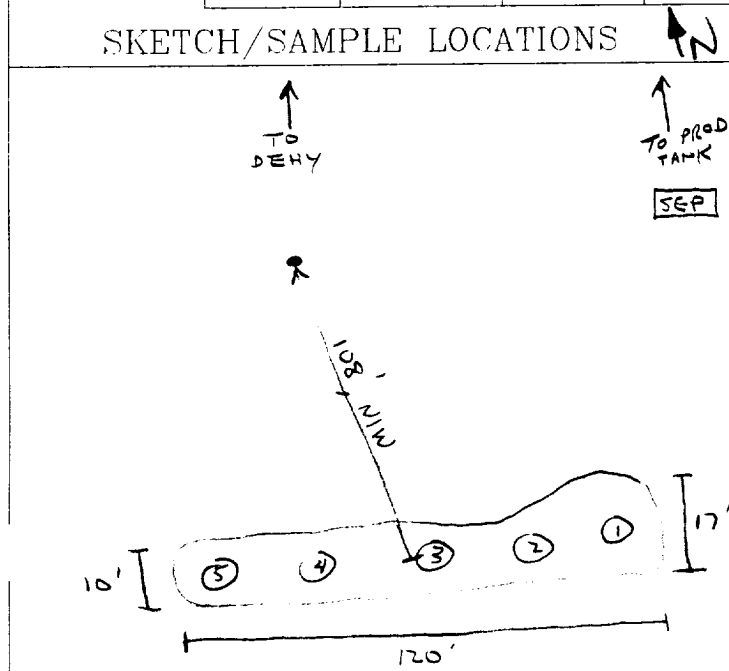
SOIL REMEDIATION:	
REMEDIATION SYSTEM: <u>LANDFARMED</u>	APPROX. CUBIC YARDAGE: <u>40</u>
LAND USE: <u>RANGE</u>	LIFT DEPTH (ft): <u>1'-2'</u>

FIELD NOTES & REMARKS:		
DEPTH TO GROUNDWATER: <u>>100'</u>	NEAREST WATER SOURCE: <u>>1000'</u>	NEAREST SURFACE WATER: <u>>1000'</u>
NMDCD RANKING SCORE: <u>0</u> NMDCD TPH CLOSURE STD: <u>5000</u> PPM <i>mostly OK. YELL. ORANGE SAND w/ COBBLE SIZE SANDSTONE FRAGMENTS, NON COHESIVE, SLIGHTLY MOIST, FIRM NO APPARENT HC ODOR IN ANY OF THE SAMPLE PTS. OR DUM SAMPLE.</i>		
<div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;">CLOSED</div>		

FIELD 418.1 CALCULATIONS

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

SKETCH/SAMPLE LOCATIONS



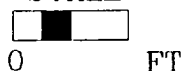
OVM RESULTS

LAB SAMPLES

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

SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	TPH (8015)	1315	83.8

SCALE



TRAVEL NOTES: CALLOUT: <u>NA</u>	ONSITE: <u>4/28/98</u>
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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

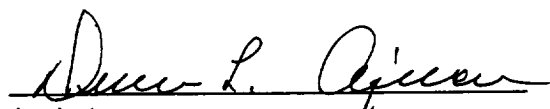
Client:	Blagg / AMOCO	Project #:	04034-10
Sample ID:	LF - 1	Date Reported:	05-01-98
Laboratory Number:	D197	Date Sampled:	04-28-98
Chain of Custody No:	5880	Date Received:	04-28-98
Sample Matrix:	Soil	Date Extracted:	04-29-98
Preservative:	Cool	Date Analyzed:	05-01-98
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

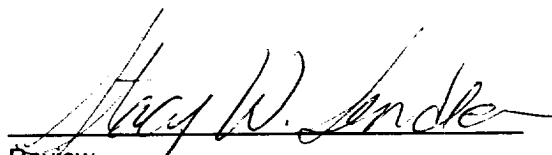
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	83.8	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	83.8	0.2

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: Jicarilla B #4E Landfarm 5 Pt. Composite.


Analyst


Review

Client/Project Name			Project Location		ANALYSIS/PARAMETERS										
BRET / Anoco			JERRISA B #45												
Sampler: (Signature)			Chain of Custody Tape No.												
4/28/98 VCP			04024-10												
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers						Remarks				
LF-1	4/28/98	1315	D197	SOIL	1 ✓						PHESTER, -COOL				
											S AT. COMPOSTER				