

DEPUTY OIL & GAS INSPECTOR

AUG 13 1999

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

OK 1/28/85 Pisker
BT 457

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 #4

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

Pit Type: Separator____ Dehydrator____ Other BLOW

Land Type: RANGE

Pit Location: Pit dimensions: length 42', width 26', depth 18'
(Attach diagram)

Reference: wellhead X, other _____

Footage from reference: 138'

Direction from reference: 65 Degrees X East of North X
West of South _____

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)

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)

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)

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)

Distance To SurfaceWater:

Distance to Surface Water:
(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)

RANKING SCORE (TOTAL POINTS): _____

BT457 / BLOW PIT

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

Remediation Method: Excavation ☒ Approx. cubic yards 600
 (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, BEDROCK BOTTOM.

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 12'

Sample date 10/10/96 Sample time 1205

Sample Results

Soil: Benzene	(ppm) _____	Water: Benzene	(ppb) _____
Total BTEX	(ppm) _____	Toluene	(ppb) _____
Field Headspace	(ppm) <u>10.5</u>	Ethylbenzene	(ppb) _____
TPH	(ppm) <u>48</u>	Total Xylenes	(ppb) _____

Groundwater Sample: Yes _____ No ☒ (If yes, attach sample results)


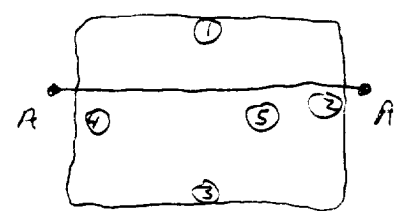
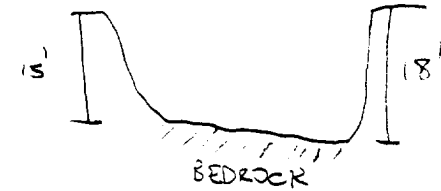
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 10/10/96 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) Spill

SIGNED: Harold Julian DATE: 10/22/96

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>BJ457</u> C.O.C. NO: _____																																																				
FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																																				
LOCATION: NAME: <u>JICAZILLA</u> <u>B</u> WELL #: <u>4</u> PIT: <u>BLOW</u> QUAD/UNIT: <u>H</u> SEC: <u>21</u> TWP: <u>26N</u> RNG: <u>5W</u> PM: <u>NM</u> CNTY: <u>RA</u> STNM: _____ QTR./FOOTAGE: <u>SE 1/4 NE 1/4</u> CONTRACTOR: <u>P+S</u>		DATE STARTED: <u>10/10/96</u> DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST: <u>NV</u>																																																				
EXCAVATION APPROX. <u>42</u> FT. x <u>26</u> FT. x <u>18</u> FT. DEEP. CUBIC YARDAGE: <u>600</u> DISPOSAL FACILITY: <u>ON-SITE</u> REMEDIATION METHOD: <u>LANDFARMED</u> LAND USE: <u>RANGE</u> LEASE: <u>JICA CONTRACT #109</u> FORMATION: <u>TEP/DK</u>																																																						
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>138</u> FT. <u>N65E</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>2100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u> NMOC D RANKING SCORE: <u>0</u> NMOC D TPH CLOSURE STD: <u>5000</u> PPM																																																						
SOIL AND EXCAVATION DESCRIPTION:		CHECK ONE: <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED																																																				
<p> SIDEWALLS: OK. YELL. BROWN SILTY SAND TO SILTY CLAY, COHESIVE, SLIGHTLY MOIST, FIRM TO STIFF, NO APPARENT HC ODOR IN ANY OF THE OVM SAMPLES, NO APPARENT HC STAINING OR ODOR OBSERVED w/IN EXCAVATION. BOTTOM - BEDROCK (SANDSTONE), OLIVE GRAY, HARD, NO APPARENT HC ODOR IN OVM SAMPLE. </p>																																																						
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p><u>BEDROCK</u></p> <p>SCALE</p>  <p>0 FT</p> </div> <div style="width: 40%;"> <p>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>1205</td> <td>④ @ 12'</td> <td>TPH-1846</td> <td>5</td> <td>20</td> <td>1:1</td> <td>12</td> <td>48</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 style="width: 25%;"> <p>FIELD 418.1 CALCULATIONS</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 @ 12'</td><td>0.0</td></tr> <tr><td>2 @ 13'</td><td>0.0</td></tr> <tr><td>3 @ 13'</td><td>0.0</td></tr> <tr><td>4 @ 12'</td><td>10.5</td></tr> <tr><td>5 @ 18'</td><td>5.4</td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table> </div> </div>			TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm	1205	④ @ 12'	TPH-1846	5	20	1:1	12	48																	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1 @ 12'	0.0	2 @ 13'	0.0	3 @ 13'	0.0	4 @ 12'	10.5	5 @ 18'	5.4								
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TRAVEL NOTES: CALLOUT: <u>10/9/96 AFTER.</u> ONSITE: <u>10/10/96 MORN.</u>																																																						

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: 4 @ 12'
Project Location: Jicarilla B # 4
Laboratory Number: TPH-1846

Project #:
Date Analyzed: 10-10-96
Date Reported: 10-10-96
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	48	20

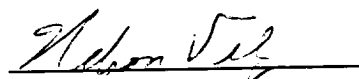
ND = Not Detectable at stated detection limits.

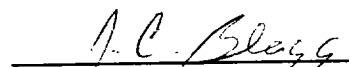
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	4640	4400	5.31

*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: Blow Pit - BJ457


Analyst


Review

BJ457

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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 # 4
Location: Unit or Qtr/Qtr Sec H Sec 21 T 26N R 5W County RIO ARRIBA
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: RANGE

Pit Location: Pit dimensions: length 70', width 15', depth 5'
(Attach diagram)
Reference: wellhead ☒, other ☐
Footage from reference: 108'
Direction from reference: 2 Degrees ☒ East of North ☒
West South ☐

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 Surface Water: (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

BT 457 / SEP. PIT

Date Remediation Started: _____

Date Completed: 10/10/96

Remediation Method:

Excavation XApprox. cubic yards 180(check 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 CONSIST MOSTLY
OF BEDROCK, THEREFORE NO TPH ANALYSIS WAS CONDUCTED. RISK ASSESSED.

Groundwater 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 DocumentsSample depth 5'Sample date 10/10/96Sample time 1255

Sample Results

Soil: Benzene

(ppm) _____

Water: Benzene

(ppb) _____

Total BTEX

(ppm) _____

Toluene

(ppb) _____

Field Headspace

(ppm) 807

Ethylbenzene

(ppb) _____

TPH

(ppm) NA

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 BELIEF

DATE

10/10/96

PRINTED NAME

Buddy D. Shaw

SIGNATURE

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) SpraySIGNED: HabibulDATE: 10/22/96

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>67457</u> C.O.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>
LOCATION: NAME: <u>JICARILLA</u> B WELL #: <u>4</u> PIT: <u>SEP</u>		DATE STARTED: <u>10/10/96</u> DATE FINISHED: _____
QUAD/UNIT: <u>H</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>		ENVIRONMENTAL SPECIALIST: <u>NV</u>
QTR/FOOTAGE: <u>1650' FNL / 990' REL</u> CONTRACTOR: <u>P & S</u>		

EXCAVATION APPROX. <u>70</u> FT. x <u>15</u> FT. x <u>5</u> FT. DEEP. CUBIC YARDAGE: <u>180</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>TRG/DK</u>

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>108</u> FT. <u>NZE</u> FROM WELLHEAD.
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	
SOIL AND EXCAVATION DESCRIPTION:	CHECK ONE: <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED

ENTIRE EXCAVATION CONSIST MOSTLY OF BEDROCK (SANDSTONE), LT. OLIVE TO DK. GRAY IN COLOR, HARD STRONG HC ODOR IN ALL OUM SAMPLES - DUE TO EXCAVATION BEING MOSTLY BEDROCK, NO TPH ANALYSIS WAS CONDUCTED.

ENTIRE EXCAVATION IN BEDROCK

RISK ASSESSED

FIELD 418.1 CALCULATIONS

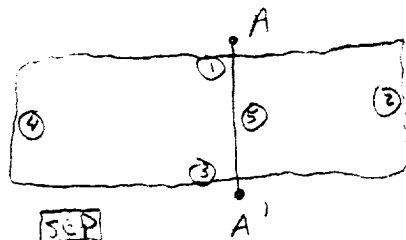
TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1255							

SCALE



0 FT

PIT PERIMETER



TO WELL HEAD

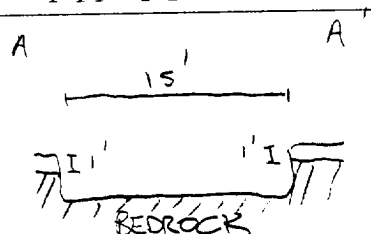
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 @ 3'	434
2 @ 4'	669
3 @ 3'	780
4 @ 4'	845
5 @ 5'	807

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

PIT PROFILE



TRAVEL NOTES:	CALLOUT: <u>10/9/96 AFTER.</u> ONSITE: <u>10/10/96 MORN.</u>
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Well Name:

Well Site location:

Pit Type:

Producing Formation:

Pit Category:

Horizontal Distance to Surface Water:

Vicinity Groundwater Depth:

Jicarilla B #4

Unit H. Sec. 21. T26N. R5W

Separator Pit

Tapacito Gallup/Basin Dakota

Non Vulnerable

> 1000 ft.

> 100 ft.

RISK ASSESSMENT (non-vulnerable area)

Pit remediation activities were terminated when trackhoe encountered sandstone bedrock at 5 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 5 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 0.13 miles north 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 lateral impact of the excavation is limited and 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.

BT 457

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ENVIRONMENTAL PROTECTION OFFICE
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DULCE, NEW MEXICO 87528**

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AND OIL & GAS ADMINISTRATION

ON-SITE SOIL REMEDIATION REPORT

Operator: <u>AMOCO PRODUCTION COMPANY</u>		Telephone: <u>(505) 326-9200</u>
Address: <u>200 Amoco Court, Farmington, NM 87401</u>		
Facility or Well Name: <u>JICARILLA B #4</u>		
Location: Unit or Qtr/Qtr Sec <u>K</u> Sec <u>21</u> T <u>36N</u> R <u>5W</u> County <u>RIO ARIZONA</u>		
Land Type: <u>RANGE</u>		
Date Remediation Started: <u>10/10/96</u>		Date Completed: <u>4/29/98</u>
Remediation Method: Landfarmed <input checked="" type="checkbox"/>		Approx. cubic yards <u>1,200</u>
Composted <input type="checkbox"/>		
Other <input type="checkbox"/>		
Depth To Groundwater: (pts.) <u>0</u>		Final Closure Sampling: Sampling Date: <u>4/28/98</u> Time: <u>0815</u> Sample Results: Field Headspace (ppm) <u>0.0</u> TPH (ppm) <u>127</u> Method <u>8015</u> Other <u>2nd SAMPLE</u> <u>0.0 ppm</u> <u>TPH 126 ppm</u>
Distance to an Ephemeral Stream (pts.) <u>0</u>		
Distance to Nearest Lake, Playa, or Watering Pond (pts.) <u>0</u>		
Wellhead Protection Area: (pts.) <u>0</u>		
Distance To Surface Water: (pts.) <u>0</u>		
RANKING SCORE (TOTAL POINTS): <u>0</u>		
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF		
DATE <u>4/29/98</u>		PRINTED NAME <u>Buddy D. Shaw</u>
SIGNATURE <u>Buddy D. Shaw</u>		AND TITLE <u>Environmental Coordinator</u>
AFTER REVIEW OF THE SOIL REMEDIATION INFORMATION, ON-SITE REMEDIATION IS APPROVED IN ACCORDANCE TO THE JICARILLA APACHE TRIBE PIT CLOSURE ORDINANCE.		
APPROVED: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> (REASON) <u>NOT for use as Backfill</u>		
SIGNED: <u>Ken C. Mamm</u>		DATE: <u>5-7-98</u>

CLIENT: <u>AMOCO</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>5T457</u> C.D.C. NO: <u>5877</u>
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FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: <u>JICARILLA</u> <u>8</u> WELL #: <u>4</u> PITS: <u>BLOW SEP.</u> QUAD/UNIT: <u>K</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>NE 1/4 SW 1/4</u> CONTRACTOR: <u>P&S</u>	DATE STARTED: <u>4/28/98</u> DATE FINISHED: <u>4/29/98</u> ENVIRONMENTAL SPECIALIST: <u>NV</u>
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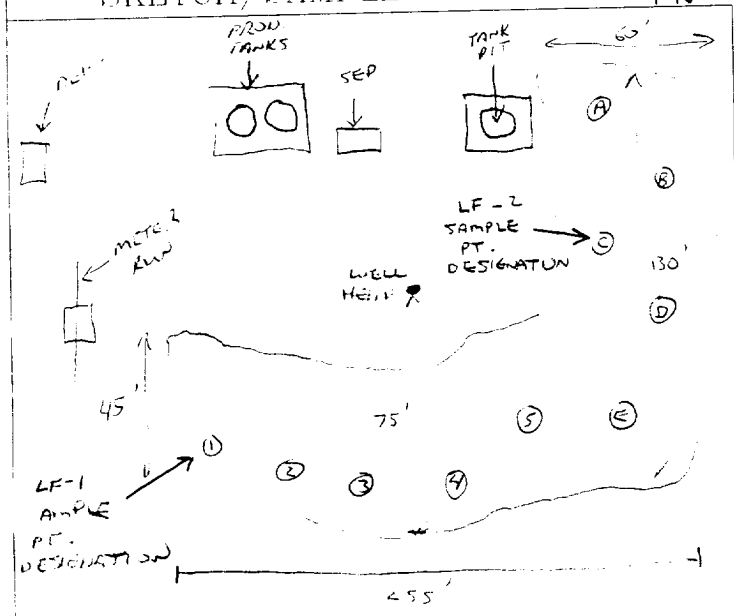
SOIL REMEDIATION: REMEDIATION SYSTEM: <u>LANDFARMED</u> LAND USE: <u>RANGE</u>	APPROX. CUBIC YARDAGE: <u>1,200</u> LIFT DEPTH (ft): <u>1'-2'</u>
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FIELD NOTES & REMARKS:	
DEPTH TO GROUNDWATER: <u>>100'</u> NEAREST WATER SOURCE: <u>>1000'</u> NEAREST SURFACE WATER: <u>>1000'</u> NMDD BANKING SCORE: <u>0</u> NMDD TPH CLOSURE STD: <u>5000</u> PPM SOIL MOSTLY DK. YELL. BROWN SAND w/ SOME DUSKY BROWN SHALE FRAGMENTS, NON COHESIVE, SLIGHTLY moist, FIRM, NO APPARENT HC ODOR OBSERVED IN ANY OF THE SAMPLE PTS. OR DUM SAMPLES.	
<div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;">CLOSED</div>	

FIELD 418.1 CALCULATIONS

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

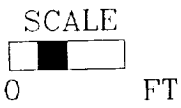
SKETCH/SAMPLE LOCATIONS ↑ N



OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE PID (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULT
LF-1	0.0	LF-1	TPH (8015)	0815	127
LF-2	0.0	LF-2	TPH (8015)	0915	126



TRAVEL NOTES:	CALLOUT: <u>NA</u>	ONSITE: <u>4/28/98</u>
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EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client: Blagg / AMOCO
Sample ID: LF - 1
Laboratory Number: D192
Chain of Custody No: 5877
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

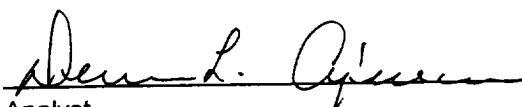
Project #: 04034-10
Date Reported: 05-01-98
Date Sampled: 04-28-98
Date Received: 04-28-98
Date Extracted: 04-29-98
Date Analyzed: 04-29-98
Analysis Requested: 8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	58.0	0.2
Diesel Range (C10 - C28)	69.2	0.1
Total Petroleum Hydrocarbons	127	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 #4 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
Sample ID: LF - 2
Laboratory Number: D193
Chain of Custody No: 5877
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

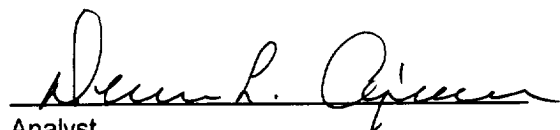
Project #: 04034-10
Date Reported: 05-01-98
Date Sampled: 04-28-98
Date Received: 04-28-98
Date Extracted: 04-29-98
Date Analyzed: 04-29-98
Analysis Requested: 8015 TPH

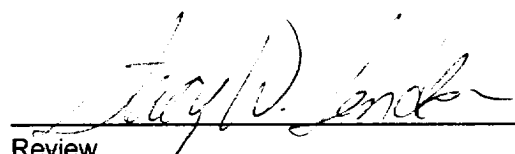
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	77.0	0.2
Diesel Range (C10 - C28)	49.0	0.1
Total Petroleum Hydrocarbons	126	0.2

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 #4 Landfarm 5 Pt. Composite.


Analyst


Review

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